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FOOD AND DRUG ADMINISTRATION
CENTER FOR TOBACCO PRODUCTS (CTP)

TOBACCO PRODUCTS SCIENTIFIC ADVISORY COMMITTEE
(TPSAC)

THURSDAY, NOVEMBER 18, 2010
1:00 p.m. to 5:15 p.m.

Food and Drug Administration Headquarters
White Oak Building
10903 New Hampshire Avenue
Silver Spring, Maryland

**This transcript has not been edited or corrected,
but appears as received from the commercial
transcribing service.**

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1 P R O C E E D I N G S

2 (1:10 p.m.)

3 **Call to Order**

4 DR. SAMET: I'm Jon Samet, the chair of
5 the Tobacco Products Scientific Advisory
6 Committee. I guess if you're in L.A., it's good
7 morning, and otherwise, if you're in D.C., it's
8 good afternoon. Thank you for joining us. I want
9 to make a few statements, and then we'll introduce
10 the committee.

11 For topics such as those being discussed
12 at today's meeting, there are often a variety of
13 opinions, some of which are quite strongly held.
14 Our goal is that today's meeting will be a fair
15 and open forum for discussion of these issues, and
16 that individuals can express their views without
17 interruption. Thus, as a gentle reminder,
18 individuals will be allowed to speak into the
19 record only if recognized by the chair. We look
20 forward to a productive meeting.

21 In the spirit of the Federal Advisory
22 Committee Act and the Government in the Sunshine

1 Act, we ask that the advisory committee members
2 take care that their conversations about the
3 topics at hand take place in the open forum of the
4 meeting. We are aware that members of the media
5 are anxious to speak with the FDA about these
6 proceedings. However, FDA will refrain from
7 discussing the details of this meeting with the
8 media until its conclusion. Also, the committee
9 is reminded to please refrain from discussing the
10 meeting topics during breaks. That would be hard
11 to do today, I guess. Thank you.

12 So let me turn next to Caryn Cohen, our
13 DFO, for the conflict of interest statement.

14 **Conflict of Interest Statement**

15 MS. COHEN: Thank you, Dr. Samet.

16 The Food and Drug Administration is
17 convening today's meeting of the Tobacco Products
18 Scientific Advisory Committee under the authority
19 of the Federal Advisory Committee Act of 1972.
20 With the exception of the industry
21 representatives, all members and nonvoting members
22 are special government employees or regular

1 federal employees from other agencies, and are
2 subject to federal conflict of interest laws and
3 regulations.

4 The following information on the status
5 of this committee's compliance with federal ethics
6 and conflict of interest laws covered by, but not
7 limited to, those found at 18 USC Section 208 and
8 Section 712 of the Federal Food, Drug and Cosmetic
9 Act is being provided to participants in today's
10 meeting and to the public.

11 FDA has determined that members of this
12 committee are in compliance with federal ethics
13 and conflict of interest laws. Under 18 USC
14 Section 208, Congress has authorized FDA to grant
15 waivers to special government employees and
16 regular federal employees who have potential
17 financial conflicts when it is determined that the
18 agency's need for a particular individual's
19 services outweighs his or her potential financial
20 conflict of interest.

21 Under Section 712 of the FD&C Act,
22 Congress has authorized FDA to grant waivers to

1 special government employees and regular federal
2 employees with potential financial conflicts when
3 necessary to afford the committee essential
4 expertise.

5 Related to the discussions of today's
6 meeting, members of this committee have been
7 screened for potential financial conflicts of
8 interest of their own, as well as those imputed to
9 them, including those of their spouses or minor
10 children, and, for purposes of 18 USC Section 208,
11 their employers. These interests may include
12 investments, consulting, expert witness testimony,
13 contracts, grants, CRADAs, teaching, speaking,
14 writing, patents and royalties, and primary
15 employment.

16 Today's agenda involves receiving an
17 update on the Menthol Report Subcommittee and
18 receiving and discussing presentations regarding
19 the data requested by the committee on the March
20 30th and 31st, 2010 meeting of the Tobacco
21 Products Scientific Advisory Committee.

22 DR. SAMET: Karen, are you done?

1 MS. COHEN: Pardon me?

2 DR. SAMET: That was the end?

3 MS. COHEN: No. I'm still going.

4 DR. SAMET: Okay. Sorry.

5 MS. COHEN: This is a particular matters
6 meeting, during which general issues will be
7 discussed. Based on the agenda for today's meeting
8 and all financial interests reported by the
9 committee members, no conflict of interest waivers
10 have been issued in connection with the meeting.
11 To ensure transparency, we encourage all committee
12 members to disclose any public statements that
13 they have made concerning the issues before the
14 committee.

15 With respect to FDA'S invited industry
16 representatives, we would like to disclose that
17 Drs. Daniel Heck and John Lauterbach and Mr.
18 Arnold Hamm are participating in this meeting as
19 nonvoting industry representatives, acting on
20 behalf of the interests of the tobacco
21 manufacturing industry, the small business tobacco
22 manufacturing industry, and tobacco growers,

1 respectively. Their role at this meeting is to
2 represent these industries in general and not any
3 particular company. Dr. Heck is employed by
4 Lorillard Tobacco Company, Dr. Lauterbach is
5 employed by Lauterbach & Associates, LLC, and Mr.
6 Hamm is retired.

7 FDA encourages all other participants to
8 advise the committee of any financial
9 relationships that they may have with any firms at
10 issue.

11 I would like to remind everyone present
12 in this room to please silence your cell phones if
13 you have not already done so. If you are calling
14 in, please keep your phone on mute. Preferably
15 use a handset rather than speakerphone unless you
16 are speaking, of course.

17 I would also like to identify the FDA
18 press contact, Jeff Ventura. If you are here,
19 please stand up.

20 [Jeff Ventura stands.]

21 MS. COHEN: Thank you.

22 Because this meeting is being held almost

1 totally online, it would be very helpful if people
2 would identify themselves before you speak so that
3 everyone knows who is speaking and also so that we
4 can keep an accurate record of the proceedings of
5 today.

6 Thank you very much.

7 **Introduction of Committee Members**

8 DR. SAMET: Thank you, Caryn. And I know
9 it's a little chatter here, but some people may
10 have had trouble hearing you. And I don't know
11 whether that relates to your speaking a little bit
12 softly or the way the audio is set up. But we'll
13 let you know if there are issues as we move
14 forward with being able to hear those of you back
15 on the East Coast.

16 Let me suggest that we now do committee
17 introductions. And what I think we can do is
18 perhaps do the order that people are listed on the
19 attendee list since we're not sitting around a
20 table together. So we would be starting with
21 Arnold, then going on to Cathy, and so on.

22 So if we could do a quick round of

1 introductions. Arnold?

2 MR. HAMM: Thank you, Mr. Chairman. I'm
3 Arnold Hamm. I'm representing U.S. tobacco
4 farmers.

5 DR. BACKINGER: Good afternoon. This is
6 Cathy Backinger with the National Cancer
7 Institute, and I'm representing the National
8 Institutes of Health.

9 DR. SAMET: Greg? Gregory Connolly, are
10 you on?

11 DR. CONNOLLY: This is Greg Connolly from
12 the Harvard School of Public Health, and I'm
13 representing the public health community.

14 DR. SAMET: Dan?

15 DR. HECK: This is Dan Heck with the
16 Lorillard Tobacco Company, representing the
17 tobacco industry.

18 DR. SAMET: Dorothy? Dorothy, are you
19 on?

20 DR. HATSUKAMI: This is Dorothy
21 Hatsukami. I'm from the University of Minnesota.

22 DR. SAMET: Jack?

1 DR. HENNINGFIELD: Good afternoon. This
2 is Jack Henningfield. I'm with Pinney Associates
3 and the Johns Hopkins University School of
4 Medicine, and my specialty is addiction.

5 DR. SAMET: John?

6 DR. LAUTERBACH: John Lauterbach,
7 Lauterbach & Associates, representing the
8 interests of the small business tobacco
9 manufacturers.

10 DR. SAMET: Karen?

11 MS. DELEEUEW: This is Karen DeLeeuw from
12 the Colorado Department of Public Health, and I am
13 a government representative.

14 DR. SAMET: Mark? Mark?

15 DR. CLANTON: Can you hear me?

16 DR. SAMET: I think so. Give it a try.

17 DR. CLANTON: This is Mark Clanton, and I
18 work for the American Cancer Society as the chief
19 medical officer of the High Plains Division. And
20 I'm representing public health, pediatrics, and
21 oncology.

22 DR. SAMET: Melanie?

1 DR. WAKEFIELD: Good morning. This is
2 Melanie Wakefield. I'm with the Cancer Council
3 Victoria in Melbourne, Australia, and my specialty
4 is marketing and health communication.

5 DR. SAMET: What time is it in Melbourne?

6 DR. WAKEFIELD: It's 20 past 5:00 in the
7 morning, but the birds are tweeting already.

8 DR. SAMET: All right. Neal?

9 DR. BENOWITZ: Neal Benowitz, University
10 of California, San Francisco, addiction,
11 cardiovascular disease, and toxicology.

12 DR. SAMET: Patricia?

13 DR. HENDERSON: Patricia Nez Henderson,
14 Black Hills Center for American Indian Health.

15 DR. SAMET: Did I miss somebody?

16 DR. CLARK: West Clark, director of the
17 Center for Substance Abuse Treatment and ex
18 officio member.

19 DR. SAMET: Okay.

20 DR. MCAFEE: Timothy McAfee, director of
21 the Office of Smoking and Health at the Centers
22 for Disease Control.

1 DR. SAMET: Good. Are you both there in
2 person or are you on the line?

3 DR. CLARK: On the line.

4 DR. MCAFEE: Online.

5 DR. SAMET: Good show. All right. Good.
6 Great. Thanks.

7 All right. So thank you, and we'll move
8 then to the FDA presentation from Corinne Husten.

9 Corinne?

10 **FDA Presentation**

11 **Status of TPSAC Information Requests**

12 DR. HUSTEN: Yes. Thank you. We were
13 just getting the slide presentation set up.

14 So welcome, everybody, to this next
15 meeting of the Tobacco Products Scientific
16 Advisory Committee, looking at the topic of
17 menthol cigarettes. I will be presenting a little
18 bit of data in my presentations, so I would like
19 to say that the information in this presentation
20 is not a formal dissemination of information by
21 FDA and does not represent agency position or
22 policy. It's being provided to the TPSAC just to

1 aid the committee in its evaluation of the issues
2 and questions referred to the committee.

3 So just to refresh everyone's memory, the
4 charge to the committee is to produce a report and
5 recommendations on the impact of menthol
6 cigarettes on the public health, including such
7 use among children, African Americans, Hispanics,
8 and other racial and ethnic minorities.

9 I want to just do a bit of a review of
10 what information has been brought to the committee
11 to date. At the previous TPSAC meetings, there was
12 a summary presentation of the published literature
13 on menthol in March. There were a series of
14 industry presentations in June. There were
15 presentations on the publicly available tobacco
16 industry documents from the Legacy Tobacco
17 Documents Library in October. And at all the
18 meetings, there's been information submitted by
19 the public.

20 I also wanted to give an update on the
21 status of the information request that the
22 committee had made to FDA. One was an analysis of

1 the publicly available internal tobacco industry
2 documents. And in addition to the presentation in
3 October, the authors' reports were also provided
4 to the committee in October.

5 The literature review, the white paper
6 summaries of the published literature, were
7 provided in October. As part of a backgrounder of
8 this meeting, a CD-ROM with all the articles
9 included in the white papers was provided. There
10 was a working table of articles in the white
11 papers as a tool for the writing work groups as
12 they developed their data tables.

13 I should just mention that what was clear
14 to us as we were putting this data table out may
15 not have been quite so clear in the background
16 materials. This was designed to be a working
17 document that the writing groups could use as they
18 were preparing their data tables, and they could
19 fill in, edit, add, delete, change, however they
20 wanted.

21 We did receive some comments yesterday
22 suggesting that there might be some errors in the

1 data table. And we haven't had a chance to review
2 those yet, but we will. And if in fact there are
3 factual errors, we will correct those.

4 The committee members will be reviewing
5 the articles themselves and creating their own
6 data tables for the report. And again, they can
7 either edit these or make their own as they see
8 fit.

9 There will continue to be opportunities
10 for comments from everyone about the various
11 articles. And we really appreciate comments, so
12 we do want people to continue to send those in.
13 The whole point is to have these articles well
14 reviewed by many folks and the various
15 interpretations put out there so the committee has
16 robust information as they're assessing this.

17 So there was also a table of articles
18 that were not included in the white papers, with
19 the rationale about why they were not included.
20 That was a backgrounder for this meeting. And
21 then there have been a few articles that came in
22 relatively recently as suggestions from the public

1 about other articles that should be considered.
2 Those were listed so the committee had that
3 information available. And so if they feel there
4 are articles they want and they can't get them,
5 we'll make every effort to get them for them.
6 There were suggestions from the public, and we
7 just wanted to make sure the committee had robust
8 information about what was being suggested for
9 their consideration.

10 The secondary analysis of existing
11 research data that was requested, there will be a
12 presentation at this meeting and then the authors'
13 reports will follow as they're completed. The
14 presentation today will be the preliminary
15 findings, and then the authors will submit their
16 individual papers, and those will come to the
17 committee.

18 There was a request for menthol cigarette
19 sales data. There'll be a presentation at this
20 meeting about the Nielsen data findings. And then
21 there was a request for some modeling of menthol
22 cigarette use, especially around initiation and

1 cessation, and that model is under development.

2 As far as the industry documents, FDA
3 will complete a review and analysis of all
4 industry documents that were submitted, but this
5 review and analysis may not be entirely complete
6 before the TPSAC report is due. We are working
7 diligently to get as much information to the
8 committee as soon as we can. We have analyzed
9 responses to four questions by FDA staff, and
10 we'll be getting those to the committee shortly.

11 The questions that we've analyzed so far
12 are questions 13 to 16. As you recall, we had
13 been requested to get information from the tobacco
14 industry on 16 topics. We sent a letter to 108
15 manufacturers. The responses to questions 13 to
16 16 were voluntary, not mandatory. The responses
17 were narrative in nature, not document
18 submissions. And we have reviewed the information
19 submitted on those questions, and we are working
20 to determine how to make this confidential
21 information available to the committee.

22 We also obtained some data from the FTC.

1 And one piece of data from that can be made
2 public, and that will be presented at this
3 meeting. But the other data that we received is
4 confidential and cannot be shared in a public
5 forum.

6 As far as the writing work groups, the
7 work groups are starting to meet. We have made a
8 small change in the process for the writing work
9 groups. We had originally said that the DFO would
10 be present at all phone calls and meetings; but in
11 an effort to expedite the process, we have now
12 decided the DFO has to know about every meeting,
13 the meetings times and the attendees, and has to
14 be copied on all correspondence and exchanges of
15 drafts, but does not necessarily have to be at
16 every single meeting of the writing work groups.

17 So for the one piece of data that I have
18 to show today are the data from the FTC. This is
19 data about the number of menthol varieties for
20 what are characterized as menthol and non-menthol
21 brands. And by "varieties," that's basically the
22 sub-brands.

1 What these data show -- I should just say
2 a caveat first, that the FTC data is only data
3 from the largest manufacturers, so it's not all
4 manufacturers. Menthol brands are basically the
5 brands that sell only menthol cigarettes or have
6 very minimal non-menthol varieties, and then the
7 non-menthol brands are all the other brands.

8 I would encourage everybody not to focus
9 on individual data points because there can be
10 variation from year to year, and because of the
11 timing of the collection, things can look a little
12 strange one year compared to the other, but to
13 look at the overall pattern that you see here.
14 And basically, it's showing that the menthol
15 brands have been pretty stable in terms of the
16 number of varieties, but that there has been an
17 increase since 1992 in the number of varieties or
18 sub-brands for the non-menthol brands, those that
19 are not essentially totally or nearly totally
20 menthol brands.

21 Our next steps, at the next meeting, we
22 again will present updates on the information

1 that's been requested by the TPSAC. We are asking
2 at the next meeting, which will be in the first
3 quarter of next year, that each work group present
4 a summary of the scientific evidence relevant to
5 each of those chapters so that the evidence that
6 they're using as they're developing their
7 conclusions and recommendations is presented in an
8 open setting and can be discussed.

9 Any clarifying questions?

10 DR. SAMET: Thank you, Corinne.

11 Does everybody remember how to raise your
12 hand if you want to ask a question? I assume, if
13 I've got this right, that you click. So let's
14 see; Karen has her hand up. So Karen, and I see
15 Greg also.

16 MS. DELEEUW: Yes. This is Karen
17 DeLeeuw. Recently, this supplemental addition to
18 the Addiction Journal and the role of mentholated
19 cigarettes in smoking behavior, I was just
20 wondering how that might or might not be made
21 available to the members of the committee.

22 DR. HUSTEN: Yes. Thank you. Our plan

1 was to make that available to the committee. I
2 had actually thought we might be sending the link
3 out before this meeting, but that may not have
4 happened. But you will be getting it very
5 shortly.

6 MS. DELEEUW: Thank you.

7 DR. SAMET: Greg?

8 DR. CONNOLLY: Yes. As a follow-up to
9 that, I believe there's a supplement coming out,
10 tobacco control, possibly. I don't know. But if
11 that does come out prior to the meeting, how will
12 that be handled?

13 DR. HUSTEN: Well, as we had --

14 DR. CONNOLLY: This is on the internal
15 documents presented at the last meeting.

16 DR. HUSTEN: As we had mentioned in an
17 earlier meeting, as we become aware of relevant
18 articles, whether we find them or someone tells us
19 that they're out there, we will make every effort
20 to make them available to the committee. So if
21 you can let us know when it's available, we'll get
22 it out to the committee.

1 DR. CONNOLLY: Then a second question, at
2 the last meeting, we did talk about experts in the
3 area of bootlegging. One was Luk Joossens. And
4 that is part one of our mandate, where I think we
5 clearly haven't addressed it. It could be a
6 weakness in the mandate.

7 Will there be any attempt to address the
8 issue of bootlegging with an expert? I think we
9 mentioned one expert.

10 DR. HUSTEN: We are working to try to
11 secure a speaker at an upcoming meeting who can
12 speak about the issue of contraband.

13 DR. CONNOLLY: Then two other questions
14 and I'll end.

15 Under Section 903, your mandates,
16 registry reporting -- I believe it's 1, 2, and 4 -
17 - it may indirectly affect the report we're
18 writing. What you're telling me now is that we
19 have been voluntarily asking questions that were
20 listed in the Federal Register, but there is a
21 slowness in production of those documents.

22 Do you have any plan on how the group

1 will get information from the industry that is
2 mandated so that we can make a decision based on
3 the widest available --

4 DR. HUSTEN: Yes. Let me clarify.
5 Questions 1 through 10 had mandatory responses.
6 Those are the ones that we are working to get
7 analyzed. We'll get you as much of it as we can
8 within that time frame that we have. What I was
9 talking about, the voluntary submissions, are
10 questions 11 through 16.

11 DR. CONNOLLY: Then tied to that is, it
12 is my understanding when the Minnesota court
13 settled with the tobacco industry on their case,
14 that privileged documents were given to the FDA
15 but not made available in the depository.

16 Has the FDA made any attempt to look at
17 those privileged documents or do they still have
18 them in their possession?

19 DR. HUSTEN: I will have to check on
20 that.

21 DR. CONNOLLY: Then the final question
22 is, we are focusing very heavily on data

1 accumulation so that we have the best science
2 possible to answer very difficult questions. The
3 report also calls for recommendations, and it is
4 not necessarily a recommendation yes/no. I think
5 we're facing some very difficult issues here which
6 could have a number of recommendations that emerge
7 from the group.

8 Are we going to have time as a group,
9 given the deadlines that we have, to devote to a
10 session on recommendations?

11 DR. HUSTEN: We have been trying --

12 DR. SAMET: Corinne, you might want to
13 answer that. But, Greg, we are certainly, as we
14 discussed, developing the documents, looking at
15 how we'll have an opportunity in public session to
16 look at all the material that's been written and
17 think about the recommendations.

18 Corinne, do you want to elaborate?

19 DR. HUSTEN: No. That's exactly right.
20 I mean, we are trying to develop and have
21 developed a proposed timeline that will certainly
22 allow for public discussion of what the committee

1 feels are the appropriate recommendations.

2 DR. CONNOLLY: Thank you.

3 DR. SAMET: John? John Lauterbach?

4 [No response.]

5 DR. SAMET: Dan?

6 DR. HECK: Yes. Dr. Husten, I thank you
7 for that clarification -- excuse me. Am I still
8 on?

9 DR. SAMET: Yes, you are.

10 DR. HUSTEN: Yes.

11 DR. HECK: Thank you for that
12 clarification that the information summaries
13 distributed are the working documents and subject
14 to revision and correction. I did submit some
15 corrections that had come to my mind, and indeed
16 today I received another dozen or so.

17 The concern I have, though, is that some
18 of the corrections that I had pointed out had
19 indeed been made on the record before in previous
20 TPSAC proceedings, and I would like to have some
21 assurance that those corrections are being
22 considered and taken seriously and acted upon

1 where appropriate.

2 DR. HUSTEN: Yes. They are all being
3 taken seriously, and we are going to very
4 carefully review everything that's been submitted.
5 Some of this may have been different people
6 working on things at different times and some time
7 pressures. So we are definitely going to look at
8 it, and any corrections that need to be made will
9 be made.

10 DR. SAMET: I will say, just again, that
11 this is a working table that is intended to help
12 guide the writing groups. But I think as the
13 writing groups begin to dig deeply into their
14 task, I'm sure they will necessarily review the
15 original studies in their findings.

16 Let's see. We'd lost John Lauterbach
17 before.

18 John, are you on?

19 DR. LAUTERBACH: I think I'm on.

20 DR. SAMET: You are. You are definitely
21 on. Go ahead.

22 DR. LAUTERBACH: The question was, back

1 on the comment from last meeting by Dr. Husten on
2 the responses from the tobacco companies or --
3 that discussion, do we have any more information,
4 particularly realizing that many of the 108
5 companies are the smaller companies that wouldn't
6 have any of these documents or information that
7 Dr. Husten had mentioned?

8 DR. HUSTEN: I'm not totally sure I'm
9 understanding the question. But certainly we have
10 received responses saying we don't have those data
11 or we don't know the answer to that question.

12 DR. SAMET: Let's see. Greg, do you have
13 further clarifying questions?

14 DR. CONNOLLY: Just one, based on what
15 Corinne just stated.

16 Corinne, it sounds like it's a process
17 where FDA is both reviewing, revising, updating,
18 and correcting, while at the same time the
19 committee is working. So can we expect further
20 CDs with information, with templates, so that
21 there's continuity in this process where we're
22 learning as you're learning?

1 DR. HUSTEN: Well, we expect, other than
2 if we either find on our own reviews or if people
3 let us know about other published articles, that
4 we will just be sending you those as we become
5 aware of them. We do not intend to be going back
6 and revising white papers or anything like that.
7 Anything that's coming forward from this point on
8 will just be sent to the committee for them to
9 review and include.

10 As far as other products, again, the
11 committee is going to be reviewing the articles
12 themselves, and the materials are really designed
13 to be there as a tool, as a place to go to find
14 which articles are out there, which ones may be
15 out there that weren't included in the white
16 papers, to just give people as much information as
17 possible so that they can critically review the
18 literature and write the chapters.

19 So we don't plan to be doing a lot more
20 synthesis of new information. We are going to
21 review the comments that came back about the data
22 table. We are going to try to do that fairly

1 expeditiously because we know the writing groups
2 are starting to work, and we want to make sure
3 that if there are any errors in there, that those
4 are corrected. But the information analysis piece
5 of this is really shifting to the committee
6 members at this point to be doing their own review
7 and critical analysis of the data.

8 DR. CONNOLLY: My only comment would be
9 that, Jon, you should feel comfortable with both
10 the structure of the white paper and the tools for
11 the data presentation so the committee then can
12 function in a coherent way between the different
13 reports.

14 DR. SAMET: Sure. Sure.

15 DR. CONNOLLY: The more direction you
16 could provide I think he more helpful that would
17 be.

18 DR. SAMET: Yes. And remember, we also
19 have Denise as the editor to provide, from the
20 contract oversight deal.

21 DR. CONNOLLY: Thank you.

22 DR. SAMET: Dan, did you have another

1 clarifying question?

2 DR. HECK: Yes, just a little minor
3 follow-up. I think some of my distress came from
4 the fact that the table received was labeled
5 "Final Version," and that led me to believe this
6 was final, rather than work in progress. So maybe
7 a minor revision to that title would --

8 DR. SAMET: Yes. The title, yes, we've
9 discussed that, actually.

10 DR. HUSTEN: Yes. The file was saved as
11 that. I actually don't think that was the title
12 of the table, but the file was saved as like that
13 was the final to be submitted up into the Internet
14 and sent out. But, yes, like I said, what was
15 clear to us was not as clear in the materials.
16 And so that's why I wanted to clarify here that
17 this is designed to be a working document. If the
18 committee finds it useful, they can use it. If
19 they don't find it useful, they don't have to use
20 it.

21 It was purely -- we had heard at the last
22 meeting that the committee was feeling some

1 pressure, that there was a lot of work ahead of
2 them, and it was just an attempt to give them some
3 information that they could use or not use that
4 might help them.

5 **Update on Menthol Report Subcommittee**

6 DR. SAMET: Thanks. And I think we also
7 understand that when you review large numbers of
8 articles on a fairly rapid basis, you sometimes
9 have to make judgments about exactly what is
10 there, subject to interpretation and sometimes
11 subject to mistakes. And I think the input is
12 helpful in making sure that these are as accurate
13 as possible even though they are working
14 documents.

15 I think we should move on. The next item
16 on the agenda is me giving you a very quick
17 update, perhaps refresher, on what we are doing in
18 developing the menthol report. And I don't think
19 we need to spend too long on this, but this will
20 really just run back over sort of where we are.

21 First, we have this framework of a model
22 to guide some of our thinking, and, again,

1 recognizing that there may be changes to this as
2 we move through. We have identified the chapters
3 and their authors, and the chapter groups are
4 beginning to hold meetings. There have been a few
5 additions you'll note in blue. Melanie added to
6 chapter 5 and myself added to chapter 7.

7 A number of these groups, I think, have
8 either met -- the chapter 1-2 group has, and I
9 think others are getting underway -- and obviously
10 we have a tight schedule leading up to our January
11 10th-11th meeting. So this is just a reminder,
12 and then those additions to the authors.

13 You'll recall that there are specific
14 questions. There are two groups of questions,
15 those related to individual smokers and those to
16 smoking at the population level. There's not a
17 specific mapping per se of these questions onto
18 the chapters; that is to say there's not a one-to-
19 one correspondence necessarily between questions
20 and chapters. What that means is as we come back
21 and start to go back and forth a little bit -- but
22 as we come back to our committee conclusions and

1 recommendations and look at the answers to these
2 questions, there'll be interactions across the
3 whole group.

4 Of course, everybody's involved in
5 multiple chapters and with some semblance of
6 theme, so that I think the move from our reviews
7 of the evidence around topics to using and make
8 those reviews as the basis for developing the
9 answers to the questions should come together.
10 Obviously, we'll need interactions, the kinds of
11 interactions that we will need to make sure we
12 have time for in our January meeting.

13 So these are the questions, again,
14 remember just the two groups of questions related
15 to individual smokers and then to the population-
16 level impact.

17 Then moving on again, we've talked about
18 the general approach that we're going to use to
19 the menthol report. Transparency in our processes
20 will be important, that we're going to carry out
21 systematic reviews, reviews that will be defined
22 by the search criteria in each group, developed as

1 appropriate. We've developed some ideas about how
2 to synthesize evidence and to assess the strengths
3 of the evidence, again, work we've done in our
4 prior meetings.

5 So as the general approach, describing
6 the sources of evidence -- and, again, some of
7 those are in the searchable peer-reviewed
8 literature, and some of those lie in documents and
9 the other materials that are being brought forward
10 to us; for example, the kinds of analyses we'll
11 hear about today or that have been presented in
12 past meetings -- and evaluation of the evidence,
13 what is there, the assessment of the strengths and
14 weaknesses, and classification of the strengths of
15 evidence.

16 Then, towards our overall task of
17 evaluating impact, this is where modeling
18 approaches will be helpful. The extent to which
19 models are going to be available I think is still
20 something we'll have to wait and see, but we're
21 hoping that we'll have tools that will help us to
22 make some judgments that may be perhaps not

1 rigorously quantitative, but semi-qualitative or
2 qualitative, at least allowing success, directions
3 of impact.

4 Then, just a reminder, we talked about
5 the evidence classification scheme at our last
6 meeting. We talked about the idea of equipoise or
7 balance, and had come up with this four-level
8 scheme that is shown here that would be used by
9 the groups. And I think that's my last slide.

10 So this was just a sort of reminder of
11 what we have in motion at this point. So let me
12 ask if there are any comments or additions.

13 Corinne, do you want to add anything?

14 DR. HUSTEN: No.

15 DR. SAMET: Let's see. There are a
16 couple of hands up here. Melanie?

17 DR. WAKEFIELD: Yes. Thanks, Jon. Just
18 in relation to the first slide, the model that you
19 have there, I just wanted to -- at the moment, you
20 have marketing as an influence in looking at
21 adolescents, whether or not they experiment with
22 smoking.

1 DR. SAMET: Right.

2 DR. WAKEFIELD: I think it's important to
3 capture the fact that marketing can influence
4 whether or not experimentation progresses, and
5 marketing can also influence whether or not people
6 decide to have a go at trying to quit smoking and
7 may actually succeed or not. So there's a couple
8 of other points --

9 DR. SAMET: Right. For sure. So let me
10 make a comment. I certainly agree, so we should
11 make suggested changes. But any other comments or
12 changes on this figure would be welcomed. So for
13 sure we will make that addition.

14 DR. WAKEFIELD: Thank you.

15 Greg?

16 DR. CONNOLLY: I've got to hop back just
17 to one quick point on the RTI work on the menthol
18 data. And let me get to my question.

19 Corinne, I think it'd be helpful if we
20 do -- if what the prices were, if that was
21 adjusted for price, and Nielsen does provide
22 price. Then, number two, the number of new brands

1 that are entered into the market for menthol
2 versus non-menthol, that would be very helpful for
3 understanding. And then you could get as a
4 separate data source -- RTI could buy it -- the
5 level of menthol expenditures in the advertising
6 versus non-advertising. I can give you the data
7 source. Those three elements could help elucidate
8 this chart a lot better and control for other risk
9 factors.

10 I just want to go -- I think you did a
11 good job, Jon. And I just want to go back just on
12 history, without creating any problems here, that
13 as a group, we came together in March and we set
14 five areas of work. One is characterization of
15 menthol, menthol cigarettes. Two is clinical
16 effects of menthol, which could be individual
17 effects, I think. Three was biomarkers, which
18 looked at toxicity. Four is marketing data. And
19 five is what the law was doing, what's population
20 effects. So that's what we initially did.

21 At our last meeting, we came up with the
22 menthol report preliminary chapter outline. We

1 could exclude 1, 2, and 8. One was introduction,
2 2 was evidence, 3 was conclusion and
3 recommendations. Then 3 through 7 include
4 physiological effects; patterns of smoking is 4;
5 initiation, cessation, which was 5, which I kind
6 of think it collapsed. Risk was toxicology.
7 Public health impact was going back to population
8 effects.

9 Now we have before us -- it looks like a
10 somewhat different approach than we began with in
11 March and we agreed to at the last meeting. And
12 I'm just arguing that we should be learning
13 collectively as a group of people approach and
14 historical respect for what we're doing. And I'm
15 not criticizing.

16 DR. SAMET: But, Greg, actually, there's
17 no change here from where we were at our last
18 meeting.

19 DR. CONNOLLY: Okay. So we agree. Okay.
20 All right.

21 DR. SAMET: There's absolutely no change
22 here at all from our last meeting.

1 DR. CONNOLLY: I'm just saying we respect
2 our history.

3 I think that one thing I would say is the
4 law seems to provide a balance. And we as a
5 group, early on, before we get too deep in this
6 process, have to understand that balance. The law
7 has very specific guidelines for modified risk
8 tobacco products that focus almost exclusively on
9 toxicology.

10 On the menthol, it talks about public
11 health impact. So rather than on individual
12 effects or on toxicology effects, it seems to be
13 speaking to population effects of initiation,
14 continued use, and effects on the population as a
15 whole.

16 I think as a group, we have to make a
17 decision -- and it's come up before just as
18 hearsay or side statements -- is this report going
19 to be more focused on population effects of
20 initiation and cessation or is it going to delve
21 into the area of toxicology?

22 I could just share my own opinion, and

1 that is, cigarettes are very lethal products, and
2 in trying to differentiate one constituent from
3 5,000 in harm is a really, really difficult task.
4 And I would feel more comfortable in satisfying
5 what the Congress has mandated the group and
6 almost end the model -- I think I said this to
7 you, Jon -- where we don't consider death a
8 disease.

9 The other final point I want to make,
10 Jon, is that the data we've been presented, at
11 least for the adolescent Caucasian initiation
12 smokers, would indicate they do not stay with
13 menthol, that they're switching to non-mentholated
14 cigarettes as they age.

15 Now, we have to look at that data
16 carefully. So I think the model needs a little bit
17 of consideration of the fact that the adolescent
18 Caucasian smoker appears to be using menthol at
19 the start and then switching to a non-mentholated
20 brand.

21 At the beginning of the model, I think
22 you could put product design and all that.

1 DR. SAMET: Right. So let me suggest,
2 though, I think there could be multiple models or
3 some aspect of models that move in greater depth.
4 I think we have to wait and see as a committee
5 sort of what kinds of expertise we will have
6 available to us.

7 I think, Greg, in answer to your
8 comments, I think it's been referenced in chapter
9 6, and chapter 6 is a necessary part of our
10 report, and in part because there is some
11 literature that is relevant. And certainly there
12 are a number of indicators of public health
13 impact. Obviously, mortality from smoking-caused
14 disease is one.

15 So I think we will, as we come back to
16 that discussion, be looking at what the multiple
17 indicators of public health impact we might
18 consider are.

19 DR. CONNOLLY: Okay.

20 DR. SAMET: All right. So I'm going to
21 move on, Greg.

22 DR. CONNOLLY: Jon, let me just say I

1 agree with you. I think we have to think
2 carefully on how we create a construct for leading
3 from population effect to the disease burden; that
4 it's not going to be one that is traditionally
5 accepted or put forth in surgeon generals'
6 reports.

7 DR. SAMET: Okay. Karen? Let's see.
8 Karen, did you have your hand up?

9 MS. DELEEUEW: Yes. I'm sorry. This is
10 Karen DeLeeuw from Colorado. Getting back to the
11 model, I was wondering if we could do some
12 representation of switching behavior between --
13 maybe some line or something between menthol and
14 non-menthol just to remind us that there are some
15 dynamics there and patterns there that deserve
16 attention.

17 DR. SAMET: So I guess -- let me ask.
18 Maybe the best way to make these changes is to
19 send them through Caryn Cohen, and that can be
20 incorporated.

21 MS. DELEEUEW: Okay.

22 DR. SAMET: Then we have the suggestions

1 from Melanie.

2 Jack?

3 DR. HENNINGFIELD: Can you hear me?

4 DR. SAMET: Yes.

5 DR. HENNINGFIELD: Good. I want to add
6 to Melanie's comment about the influence and
7 importance of marketing in addiction. And I
8 think, basically, the model works well. But
9 whether we need a footnote or something, we need
10 something to make it clear that addiction is not
11 just a box where pharmacology interacts with the
12 organism, except in laboratory settings with
13 animals. Addiction occurs in a social and very
14 active environment in which marketing factors play
15 an important role.

16 So in the real world, the development of
17 addiction, the severity of addiction, the
18 persistence of addiction, and the adverse
19 consequences can all be modulated by efforts
20 beyond pharmacology, and in particular, marketing
21 factors. And this includes price, availability,
22 image, perception of the risk, perception of

1 benefit, and so forth. And this is all true and
2 equally true of cocaine, of marijuana, of alcohol.
3 It's been highlighted by the surge in prescription
4 drug abuse.

5 So I'm not sure that we need to radically
6 modify the figure, but we do have to make it clear
7 that addiction is not just a box on a figure, but
8 it's an area that is influenced by all these
9 factors. And menthol is something that can
10 interact in many ways because menthol is not just
11 a substance, but it's a marketed factor.

12 So, again, I'm not sure that we have to
13 modify the figure or model radically, but at least
14 recognize those interactions.

15 DR. SAMET: So I will repeat the famous
16 quote from the statistician, George Box, who said,
17 "All models are wrong, but some are useful." I
18 think that the main point here is that, obviously,
19 a huge amount is oversimplified.

20 Here, if we began to draw out the best
21 representation of how we think the real world
22 works, we'd have lines all over the place. I

1 think what we need to do, and in part this was
2 some of my purpose in oversimplifying, was to
3 think about those steps where we might find some
4 literature that we'd allow to make some sort of
5 quantitative assessment so that we could build a
6 model.

7 So recognize simplification. I think in
8 the text that goes with this, we really need to
9 acknowledge that this or one or more figures that
10 go with it deal exactly with what you said, Jack.
11 And in fact, we might have some models that speak
12 to the complexities around addiction, in fact,
13 highly multi-variant with many factors and
14 interactions among the factors. So I think the
15 point is well taken, and I think this is something
16 the writing groups will need to deal with.

17 Let's see. So I'm still dealing with
18 clarifying questions. Greg, a clarifying
19 question?

20 DR. CONNOLLY: Yes. I just had a brief
21 portion, what Jack said. I think we've got to get
22 back to you with the changes in the model. It's

1 an excellent model. I think you've done a great
2 job in trying to make it simple so that people can
3 understand it.

4 At the last meeting, I think we learned
5 that marketing parents in pairs were really
6 different categories. And I think I just want to
7 get on record my interpretation of what I heard.

8 Marketing includes what the industry is
9 doing relative to pricing behavior, advertising,
10 and actually, the design of the product itself in
11 the menthol. I think they're all related in terms
12 of its effect on initiation and continued use.

13 Parents, peers, and I think you could
14 also include in that, Jon, social, ethnic,
15 environmental factors, that are very true for
16 menthol but that are separate and that we have to
17 look at and consider in any report. If we don't,
18 I think we are underestimating the influence of
19 the history of menthol use within the African
20 American community.

21 Now, when we get to 2, menthol
22 properties, the term "taste," there was a lot of

1 confusion at the second meeting with the industry,
2 what the definition of taste was. I hope the
3 industry could help us define taste better.

4 But if you look at certain countries,
5 there's a very low level of -- in my opinion --
6 I've seen data where the brand family is marketed
7 heavily for awareness. But the sub-brand family -
8 - let's say menthol is in a sub-brand within a
9 larger family -- the traditional marketing doesn't
10 seem to play as much of a role as the actual
11 action of the menthol, the flavor, the taste, the
12 color of the package. And what I was told what
13 we've --

14 DR. SAMET: Greg, I think you've got your
15 point over.

16 DR. CONNOLLY: Okay. But just let me
17 finish. What I was told is that the industry
18 stopped marketing menthol in a traditional media
19 sense but hadn't changed the properties. That has
20 to be taken into very careful consideration by the
21 subcommittee. These are very subtle points, but I
22 think they deem consideration by the subcommittee.

1 DR. SAMET: Perhaps each writing group,
2 as they approach their particular chapter, may
3 want to draw out some of the expanded
4 representation of their particular area.

5 Melanie?

6 DR. WAKEFIELD: Thanks, Jon. I had just
7 a couple of suggestions about some of the
8 questions that had been posed.

9 First of all, related to individual
10 smokers, if we could go to those slides,
11 particularly question 5, which was, "Are smokers
12 of menthol cigarettes most likely to quit
13 successfully than smokers of non-menthol
14 cigarettes?", I think it's important to include
15 the possibility here that smokers of menthol
16 cigarettes might postpone even trying to quit more
17 than smokers of non-menthol cigarettes.

18 So it's not just that there might be a
19 differential quit rate; it may be that there might
20 be a differential trying to quit rate, which is
21 perhaps just a small point that I think is worth
22 adding just for the sake of being inclusive.

1 Then secondly, there are questions on
2 smoking at the population level. The second one
3 here, which was, "Does tobacco company marketing
4 of menthol cigarettes increase the prevalence
5 beyond anticipated prevalence if such cigarettes
6 were not available?" I suppose most of these
7 questions are really pointing to behavioral kind
8 of evidence in the population in terms of smoking
9 behavior. But I do wonder about the role of
10 misperceptions about harm and false beliefs
11 about -- or expectations about what the benefits
12 of --

13 DR. SAMET: Wouldn't that be mediating,
14 though, in the end?

15 DR. WAKEFIELD: They are. They are,
16 absolutely.

17 DR. SAMET: Yes. I think this is the
18 attempt to get at this question of impact. And I
19 actually think the question is okay. I think what
20 you're exploring are some of the --

21 DR. WAKEFIELD: The pathways.

22 DR. SAMET: Pathways. I don't think, in

1 terms of some the questions that we need to answer
2 in developing the recommendations from our report,
3 yes, the mediation is of interesting importance.
4 But I don't think we necessarily, as a committee,
5 need to answer the question mediating and what
6 might mediating pathways be, but address the
7 question as it's stated here.

8 DR. WAKEFIELD: But that doesn't preclude
9 us from (unclear).

10 DR. SAMET: No, no. Not by any means,
11 no.

12 DR. WAKEFIELD: Okay. Thanks.

13 DR. SAMET: Yes. No one has their hand
14 up, and I'm going to take advantage of this moment
15 to suggest we move forward in our agenda, to hear
16 the reports from RTI, the first from James Hersey
17 on the secondary analysis of the effect of smoking
18 menthol cigarettes.

19 Let's see. So I guess the presentation
20 is up and we're ready to move on. So we have a
21 half hour for this. I think we were hoping to
22 have roughly 10 minutes for questions. So if

1 you're ready, please go ahead.

2 DR. CONNOLLY: This is Greg. Can I just
3 ask a clarifying question?

4 DR. SAMET: Greg, no. We've got to move
5 on. No. I'm sorry. Not at this point.

6 Let's go ahead with the presentation.
7 James?

8 **Secondary Analysis of the Effects of**
9 **Smoking Menthol Cigarettes**

10 DR. HERSEY: Delighted to be here. Jim
11 Hersey from RTI. And what we did was, on support
12 of FDA, conduct - or solicit some secondary
13 analyses of existing data sets that might support
14 the committee in its decision-making, which is a
15 nice way to say, basically, we're using
16 information in the following presentation; it's
17 not a formal dissemination of policy of FDA.

18 We have looked at information on topics
19 of interest related to initiation of cigarette
20 smoking, dependence, cessation, and the health
21 effects of smoking. We really gave priority if we
22 could find cohort studies or studies which could

1 look at the effect of menthol, controlling for
2 race, ethnicity, or smoking intensity.

3 We said most did solicitations, lots of
4 great help from the American Public Health
5 01:16:09Association, ATPR, CDC, TANRIG, SRNT, in
6 getting applications in. These were independently
7 reviewed by a team at RTI and Roswell Park, and
8 also by FDA independently. Of course, we didn't
9 review our own applications.

10 We looked at these in terms of scientific
11 merit and feasibility, and ended up awarding 11
12 grants in September. So people have had about six
13 weeks to conduct these analyses. These are kind
14 of interim analyses, in that findings have not yet
15 undergone peer review. So the committee needs to
16 be alert to that.

17 Of the 11 awards, one looked at
18 initiation of smoking, five looked at the issue of
19 tobacco dependence, three at cessation, two at
20 health effects. And I'll go through them quickly
21 to give you a sense of what you'll be receiving in
22 the next few weeks as you look through this set.

1 In terms of initiation of smoking, my
2 colleague, Jim Nonnemaker, with support from a
3 data set where Donna Vallone had helped us and
4 Jane Allen from the Legacy Foundation, really
5 looked at a cohort study, the last wave, where we
6 had three waves of data over three years. And we
7 were looking at people who started.

8 The first wave was a menthol cigarette;
9 were those people more likely, in terms of
10 progression, to move towards daily smoking or
11 toward established smoking? And we analyzed this
12 using nontypical regression methods.

13 Interesting findings, to probably read it
14 a little more closely; but youth who started out
15 their first cigarettes at wave 1 -- they were
16 smoking menthol but they weren't yet established
17 smokers -- they're more likely to be daily smokers
18 by wave 3. They're also more likely to show
19 indicators of dependence. We had a dependence
20 scale that Jim Nonnemaker had developed. And we
21 have some data as well there on switching; but
22 some suggestion that early smoking of menthol

1 cigarettes may move you towards a higher
2 progression, both towards daily smoking or also
3 towards established smoking.

4 In the area of tobacco dependence, Josh
5 Muscat looked at the modifying effect of tobacco
6 dependence, dependence on tobacco risk. He's
7 using a big data set as well as a small one in New
8 York, and he's really looking at the regression
9 model with blood cotinine or lung cancer risk.
10 And, again, he's finding, as we've often seen
11 before, time to first cigarette in the morning
12 clearly related to increased risk of lung cancer
13 and smoking harm. But that doesn't appear to be
14 differentially related for menthol versus non-
15 menthol cigarettes.

16 The second study we did was one that I
17 led, working with some help from Donna Vallone,
18 again with a Legacy data set, where we'd actually
19 collected among adolescents, fairly big, 5,000 --
20 where we collected saliva cotinine measures. And
21 so we looked at effects of smoking menthol both on
22 cotinine levels and also on nicotine dependence.

1 We ended up looking at about 500 -- a little
2 over -- just under 600 kids.

3 Menthol cigarettes by themselves didn't
4 have a direct impact on cotinine levels. However,
5 there did seem to be an interesting interaction,
6 where, among new smokers, people who smoke for
7 less than a year, new smokers who were smoking
8 more cigarettes, if those cigarettes were menthol,
9 were more likely to have higher cotinine levels
10 than smokers of non-menthol cigarettes.

11 We also looked at the issue of menthol
12 and dependence. And again, while there's nothing
13 which worked for the entire sample, there may be
14 an interesting finding of menthol and nicotine
15 dependence among the newer smokers.

16 My colleague, Andy Hyland, at Roswell
17 Park, along with Cheryl Rivard, did a couple
18 studies really looking at dependence and
19 cessation. The first was an analysis with the
20 COMMIT study, which is kind of a cohort from '88
21 to 2001, running regressions. He was looking at
22 switching and indicators of dependence. There's

1 not a whole lot of switching. And there didn't
2 seem, in the COMMIT study, to be a relationship
3 between smoking menthol cigarettes versus non-
4 menthol cigarettes on nicotine dependence or
5 switching or cessation success.

6 More recently, the team analyzed data
7 from the International Tobacco Control study, with
8 a U.S. sample, and so that's got about
9 7,000 people. The sample starts from 2002 to
10 2008. They're using, again, multivariant
11 analysis. First they looked at switching, which
12 is a little more common from -- whites are more
13 likely to switch to non-menthols, and African
14 Americans are more likely to switch to menthols,
15 but there's not a whole lot of switching
16 altogether.

17 However, after you're doing your typical
18 statistical control, your menthol smokers are
19 reporting fewer minutes to their first cigarette.
20 And so that's kind of an interesting finding about
21 nicotine dependency.

22 Lorraine Reitzel at the University of

1 Texas analyzed, actually, three studies, which
2 deal both with dependence and cessation. These
3 are three samples of smokers going through a set
4 of cessation trials, and she was analyzing
5 baseline data about tobacco dependence. So I'll
6 quickly summarize each of the three studies.

7 In BREAK FREE, which is about 400
8 respondents, again black smokers, menthol
9 cigarette use was associated with high taste
10 sensation processes in Wisconsin major tobacco
11 dependence. But that wasn't related to continuous
12 abstinence, subsequently.

13 In a second project, which is Project
14 CARE, again this was a sample where it was about a
15 third African American, a third Latino, a third
16 white. The menthol cigarette was not related to
17 dependence or continuous abstinence. But, again,
18 there was some indicator of greater dependence on
19 mentholation, Behavioral Choice Mentholation scale
20 on the Latin population.

21 Finally, she looked at Project MOM, which
22 is a sample of women who were pregnant or recently

1 pregnant, trying to stop them from re-smoking
2 again. And menthol cigarettes were associated
3 with smoking per day and higher rates of smoking
4 relapse.

5 To continue this kind of issue of
6 dependence and cessation, Christine Delnovo of
7 UMDNJ looked at the relationship between menthol
8 smoking, using data from the 2003 tobacco use
9 special supplement. Again, she's using multiple
10 regression kinds of analyses. And she's finding
11 that among current and former smokers who have
12 quit within the past five years, those who smoked
13 menthol were significantly less likely to have
14 quit smoking than those who smoked non-menthol
15 cigarettes, and that this relationship was
16 actually stronger among African Americans and
17 among Puerto Ricans.

18 Jennifer Unger of the University of
19 Southern California looked at menthol with a small
20 sample of African American smokers. What was
21 unique about her study is that one of the things
22 she did was really use mall intercepts to really

1 get a bigger sample, a bit more inclusive kind of
2 sample than you would from a typical telephone
3 survey.

4 She also looked at not only a
5 menthol/non-menthol, but against people who
6 reported smoking both kinds of cigarettes. And
7 again, she was not finding huge differences
8 between menthol and non-menthol or even the mixed
9 group.

10 Andrea King at the University of Chicago
11 had an interesting study which was looking at a
12 clinical trial of cessation. She looked at
13 effects of cessation between menthol smokers and
14 non-menthol smokers. And so in this trial -- this
15 is an African American sample, or half of it
16 African American, other half Caucasian. But in
17 this sample, she was doing -- the control group
18 received traditional counseling and the nicotine
19 patch. The experimental group received this patch
20 plus an opioid antagonist or pharmacological
21 therapy.

22 What she was finding was that among

1 whites, the white sample, menthol really didn't
2 seem to have much effect on cessation rates. In
3 people, African Americans, who went through
4 traditional kinds of cessation programs, a patch
5 plus counseling, the menthol smokers had lower
6 quit rates; but among the African Americans, if
7 they were in the experimental group with the
8 opioid antagonist plus the patch and counseling,
9 the quit rates -- among that group, the success in
10 quitting was equally as great among menthol and
11 non-menthol smokers.

12 Finally, we had a couple studies looked at
13 health effects. Steve Stellman and Alfred Neugut
14 of Columbia looked at, really, the risk of
15 cancers, and a variety of kind of oral cancers,
16 again running logistic regression with a big
17 hospital sample. And, again, they're finding that
18 the risks of cancers in menthol smokers versus
19 non-menthol smokers are really not significantly
20 different for lung cancer or cancer of the
21 esophagus, which is new in the study, cancer of
22 the oral cavity, larynx cancer, bladder cancer.

1 So, yes, not significant. My own words is that
2 yet again, as Gary Giovino would say, menthol
3 cigarettes are just as deadly as non-menthol
4 cigarettes.

5 Finally, a study from Andy Hyland which
6 was looking at COPD and lung cancer in, again, a
7 big case-controlled study provided by Roswell's
8 data bank using multiple-variable regressions.
9 And again, they looked at -- the percentages of
10 men who smoked menthol didn't differ differently
11 from case controls. Percentages of women who
12 smoked menthol were actually somewhat lower among
13 cancer patients. But really, the bottom line is
14 there really weren't huge effects for menthol in
15 this sample.

16 So in terms of next steps, we're going to
17 be submitting these reports to TPSAC as soon as
18 FDA has a chance to look at them, which means
19 getting our production department. And it's going
20 to be authors' decisions whether or not to submit
21 the papers to peer review. But I do think that,
22 in total, these studies help fill up some of the

1 gaps that were addressed, identified at the first
2 meeting of this committee, and I hope that they're
3 helpful in your deliberations.

4 Thank you.

5 DR. SAMET: Thank you. And before we
6 actually turn for clarifying questions, I know we
7 were all struggling to hear. There seem to be two
8 problems, low volume, and then there's a fair
9 amount of background static right now. And I
10 don't know whether somebody's on a cell phone who
11 might mute, if that would help, or something.

12 Tom or Karen, are you working on this?
13 Is something working on this?

14 MR. GRAHAM: We are, Dr. Samet. We're
15 trying to get somebody to fix it right now.

16 DR. SAMET: Thank you. The static seems
17 to be more recent, but the volume problem I think
18 had been somewhat pervasive throughout the call.
19 So thanks.

20 So thank you for your presentation, Jim.
21 It looks like a lot of interesting projects in the
22 works.

1 Let me go ahead and ask for clarifying
2 questions. And I think at the end, maybe, after
3 those questions, it would be helpful if between
4 you representing RTI and -- I guess, Corinne, we
5 had a pretty firm understanding of what the
6 timetable might be for the submission of the
7 reports through FDA to TPSAC, when we would have
8 these in our hands.

9 Jack?

10 DR. HENNINGFIELD: Thank you. A very
11 helpful summary. And I just wonder if you would
12 agree with this characterization or where you
13 would disagree.

14 As I listened, my conclusion is that
15 these data suggest that menthol is associated with
16 several different measures of increased risk of
17 dependence, including level of smoking, as well as
18 measures that are not conventionally used to
19 assess dependence, and also delays in cessation.

20 The effects are not always strong.
21 They're not completely consistent. But it appears
22 that if there is an effect of menthol, it's more

1 likely to be in the direction of the increased
2 dependence and decreased cessation, and not the
3 other way around.

4 Is that a fair characterization?

5 DR. HERSEY: I think broadly that is.
6 Again, cessation results tend to be a little more
7 split, but that's what you'll find in the
8 literature. I think it's wise for the committee
9 to read these papers, looking for the effects of
10 menthol in terms of nicotine dependence and in
11 terms of uptake in case they should happen to
12 accelerate that, and particularly to be attentive
13 to the effects of menthol cigarettes among newer
14 smokers because I think that may be a particularly
15 vulnerable group to the effects of menthol.

16 DR. HENNINGFIELD: That's really helpful,
17 and I'll be interested in comments or views, at
18 any point, of other addiction experts on this
19 panel, including Dorothy Hatsukami and Westley
20 Clark and others, because I think the challenge to
21 the committee is, when we have data that include
22 apples and oranges and grapes and other things,

1 how we view them.

2 DR. SAMET: Greg?

3 DR. CONNOLLY: I think I'm going back to
4 Jack's question. You're presenting both data on
5 youth use as well as adult use, and I was just
6 trying to differentiate between the different
7 reports. It seemed the first presentation was
8 from Legacy on youth use. You later went to the
9 TUPS survey on youth use, and it seemed like you
10 made inferences that there'd be a role for
11 initiation.

12 You referenced the COMMIT study, which to
13 my understanding only looked at heavy smokers.
14 And I wonder if that would confound the findings
15 of the COMMIT study if these are very heavy
16 smokers because the COMMIT study, overall, I don't
17 think found an effect of all the interventions on
18 quitting among the COMMIT study.

19 You referenced the ITC study, and I know
20 concerns have been raised about the sample size on
21 ITC, particularly when we get down to sampling
22 youth and can we determine a factor in youth.

1 I didn't see a breakout in terms of heavy
2 versus light smokers or occasional versus daily
3 smokers in some of the analyses. And so I have
4 kind of a difficulty in looking at apples and
5 oranges and interpreting the data.

6 I would say that your finding on health
7 effect seems very reasonable. The finding on
8 quitting, I think there are some confounders
9 there. I even question the validity of using mall
10 intercept surveys since they're not random; it's
11 only reporting on who comes into malls, and there
12 could be a lot of bias built in there.

13 On initiation, I think you seem to be
14 pointing towards the role of tobacco use with
15 menthol as initiating. I was curious: In any of
16 the studies, did they break out brands? Did they
17 look at Newport versus Kool on initiation?

18 DR. HERSEY: No. The answer to that
19 question is that usually our sample sizes didn't
20 permit that level of kind of analysis. Most of
21 the studies we had in the set really were among
22 adults. The Legacy had funded the two youth

1 studies, where we begin to see some initiation
2 effects. We can take a look and see whether a
3 difference in heavy or lighter smokers; that I'll
4 have to reread these to try to get back to you.

5 But I think you're right. These are not
6 one cohesive set of studies. Rather, they were
7 designed to identify needed gaps, and you're going
8 to probably need to break them as a committee into
9 these which deal with young people, these which
10 deal with cessation.

11 DR. SAMET: This is Jonathan Samet. Let
12 me just perhaps ask a question that will clarify,
13 I think, what Greg asked.

14 If I understand correctly, you had a
15 process in which you solicited analyses of
16 relevant data sets from the broad community.

17 DR. HERSEY: Yes.

18 DR. SAMET: And this is what you
19 received. You have not attempted to, let's say,
20 necessarily standardize approaches, analyses,
21 variables, in any way across this group of, I
22 guess, 11 investigative teams.

1 Is that correct?

2 DR. HERSEY: That's a correct statement.

3 DR. SAMET: Have they met together and
4 discussed, or has this been all individual work?

5 DR. HERSEY: Our time frame to support
6 your committee didn't allow that kind of time to
7 do that. That's a good suggestion.

8 DR. SAMET: Right. I guess a sort of
9 related question. I think we all will have to
10 work with the heterogeneity of the data sets. I
11 mean, some of these data sets go back almost 30
12 years, the old American Health Foundation case
13 control study, for example.

14 But in terms of the process that is
15 envisioned here, a report will be developed by
16 each group. If TPSAC finds issues that might be
17 explored informatively for our purposes in these
18 data sets, is there a mechanism for going back to
19 the investigators and saying, well, what about
20 providing this one or more additional analyses?

21 DR. HERSEY: I would defer to FDA about
22 the answer to that. But my experience, having

1 dealt with the investigators, is that they're very
2 cooperative and very supportive of this effort,
3 and would be interested in doing stuff like that.

4 DR. SAMET: Then I think the question of
5 timetable?

6 DR. HERSEY: We'll get these reports to
7 you soon, maybe by Thanksgiving.

8 DR. SAMET: Okay. All right. Dan?

9 DR. HECK: Well, I just might say this.
10 I'm at a considerable disadvantage here, having
11 not had any exposure to this endeavor here, this
12 project, and any ability to review this material
13 in advance. But I do suspect that there will be
14 some considerable comment that could be made on
15 these studies, and I'll look forward to the TPSAC
16 sharing this material with the industry
17 representatives when that's possible.

18 DR. SAMET: I will say that I think we've
19 all just seen this at the very same moment. I
20 think the burden on us who receive these reports
21 will be to carefully evaluate them because they
22 will not be coming through the usual peer-reviewed

1 mechanism. And I think we'll have to make certain
2 that we look closely at what they have found and
3 the methods used.

4 Cathy?

5 DR. BACKINGER: Yes. James, I'm just
6 wondering whether -- or I think it would be useful
7 for when the various authors write up their
8 reports for FDA to, as much as possible, have a
9 standardized format; and maybe, more importantly,
10 making clear what -- as opposed to submitting for
11 peer review, when you have less words, but making
12 sure that we understand, or the writing group
13 especially understands, all the methodology within
14 each of the studies.

15 So, for example, I'm looking Lorraine
16 Reitzel's study, and I say, okay, 399 black
17 smokers in project BREAK FREE. But where are the
18 black smokers; what age were they; when were the
19 data collected, those kinds of standard
20 methodology delineations.

21 DR. HERSEY: I believe you'll see that in
22 most of the papers. I can confirm that.

1 DR. BACKINGER: Okay. Thank you.

2 DR. SAMET: Seeing no other hands up, I'm
3 going to suggest we move to the second RTI
4 presentation by Brett Loomis.

5 **Trends in Menthol Cigarette Sales, Price and**
6 **Promotion in the United States**

7 DR. LOOMIS: Thank you very much. I hope
8 everybody can hear me.

9 DR. SAMET: You're better than your
10 colleague.

11 DR. LOOMIS: I'm speaking directly into
12 my handset.

13 DR. SAMET: All right. Thank you.

14 DR. LOOMIS: Thank you very much. It is
15 my pleasure to present to the committee today.
16 I'm Brett Loomis. I'm an economist at RTI
17 International, and the topic of my talk today is
18 trends in prices, sales, and promotions for
19 menthol cigarettes in the United States.

20 But first, this disclaimer. The
21 information in the following presentation is not a
22 formal dissemination of information by FDA and

1 does not represent an agency position or policy.
2 The information is being provided to TPSAC to aid
3 the committee in its evaluation of the issues and
4 questions referred to the committee.

5 Earlier this year, RTI was contracted by
6 FDA to provide an economic analysis of the market
7 for menthol cigarettes in the United States. To
8 do this, RTI is using retail scanner data from the
9 Nielsen Company to understand the trend in menthol
10 cigarette sales, including the volume of sales,
11 which is the dollar sales as well as unit sales;
12 market share for menthol and non-menthol
13 cigarettes alike; the price per pack; and
14 promotion of cigarettes, including the percent of
15 all sales that are promoted, as well as the types
16 of promotion that appear in the data.

17 For this specific report, RTI purchased
18 or licensed 104 weekly periods of data from
19 Nielsen, beginning from the week ending August 16,
20 2008 and extending through the week ending July
21 16, 2010. The data you'll see today covered two
22 retail channels, convenience stores as well as

1 food stores, drugstores, and mass merchandisers
2 combined. Later in the talk, I'll define those
3 channels more specifically. I'll be presenting
4 data for the total United States for menthol and
5 non-menthol cigarettes combined.

6 In addition to that, RTI has in its
7 possession a longer-term series of data from
8 Nielsen that goes back to the first quarter of
9 1994 and extends through the third calendar
10 quarter of 2010. This data is from food stores
11 only. It covers the total United States, and we
12 can present trends for menthol and non-menthol
13 cigarettes from this longer span of data as well.

14 So before I begin presenting results, I
15 think it's useful to take a brief orientation to
16 the Nielsen scanner data. Scanner data is
17 relevant and useful, but it does have some unique
18 characteristics that are important to understand
19 in order to interpret the results appropriately.

20 So how does Nielsen collect its data?
21 When an individual purchases cigarettes at the
22 store, they take them to the cash register where

1 they are scanned. The electronic scanner reads the
2 bar code on the package of cigarettes. The number
3 from the bar code is looked up in a database that
4 resides on a computer in the store.

5 The database contains information about
6 the product type and characteristics; for example,
7 they're cigarettes, the brand name, the sub-brand
8 name, and other characteristics of the cigarettes
9 such as length, menthol or not, and things like
10 that. The database has a price, which is what the
11 consumer is charged, and it's also linked with the
12 universal product code.

13 Nielsen aggregates all of these store-
14 level transactions by cigarette category, also by
15 brand and UPC code and channel and market area,
16 and then uses that information to create what they
17 call a market projection for the item based on the
18 data.

19 Now, to follow the chain of how this
20 works, perhaps in a single week there might be 200
21 units of a particular cigarette variety sold in a
22 given store. And then, as Nielsen aggregates all

1 of the data from stores in a given area, there
2 might be 9,000 units of those sold in Nielsen's
3 sample of stores over its market area.

4 Nielsen will then model, using
5 proprietary methods, that perhaps there are 15,000
6 units of that particular cigarette variety sold in
7 the market in consideration, and it's that market
8 projection that is supplied to users of the data
9 like RTI.

10 Now, the example I just gave is
11 hypothetical. It's not based on actual numbers
12 supplied by Nielsen. I just gave it to illustrate
13 that the data we are using and presenting today
14 are estimates of sales, prices, and promotions for
15 all cigarettes sold and not sample data from a
16 subset of stores. So, in effect, the data we're
17 looking at is population data and not sample data.

18 Now, Nielsen provides its data for
19 various retail channels. I mentioned them
20 earlier. There are convenience stores, food
21 stores, drugstores, and then a combined food,
22 drug, and mass category.

1 The convenience store trade channel is
2 defined using a definition that's endorsed by the
3 National Association of Convenience Stores. It
4 includes small format stores that are between 800
5 and 3,000 square feet, with between 500 and 1,500
6 unique products, that are open for at least 13
7 hours a day and carry a limited selection of
8 grocery items. Okay? Examples of convenience
9 stores include stores like 7-Eleven and Mobil
10 Mart. Okay? The convenience stores may or may
11 not sell gasoline, and they may or may not offer
12 fast food service as well.

13 Food stores can be thought of as grocery
14 stores. They include conventional supermarkets,
15 which would be full-service, full-line grocery
16 stores with annual sales of \$2 million or more;
17 limited assortment supermarkets that would carry a
18 smaller or reduced number of categories that might
19 be all natural products, gourmet quality, or
20 special pricing. Examples of those kinds of
21 stores are Trader Joe's. And they also include
22 supercenters such as Meyer Supercenter.

1 Drugstores are stores that sell
2 prescription pharmacy items and health and beauty
3 care products. They include stores like Rite-Aid
4 and CVS.

5 Mass merchandisers are large format,
6 often known as discount stores, that are very
7 large, 40,000 to 160,000 square feet, typically,
8 in a single-level structure, and examples include
9 Wal-Mart, KMart, and Target. However, in the mass
10 merchandiser data offered by Nielsen, Wal-Mart is
11 not included.

12 In addition to these channels, Nielsen
13 offers its data over geographic defined market
14 areas. These market areas are collections of
15 counties. They usually contain at least one large
16 metropolitan area. For the food channel, which
17 has the largest number of market areas, the
18 average number of counties is 30, with a range of
19 one county to a maximum of 79 counties. The
20 average population is about 4.6 million people,
21 with the minimum population being 1.1 million and
22 the maximum population being 20.3 million.

1 So market areas are typically quite
2 large. They often do not conform to convenient
3 geographic units such as metropolitan statistical
4 areas, and they often cross state borders, which
5 can be problematic for analysis.

6 The number of market areas differs by
7 channel. So if you're interested in convenience
8 store data, there are 25 markets. There are 52
9 markets for the food channel, 11 markets for the
10 drug channel, and 10 markets for the combined
11 food, drug, and mass channel.

12 I mentioned earlier that Nielsen uses a
13 projection-type methodology to project total sales
14 within a market area. In a similar way, Nielsen
15 combines all of the data from its defined market
16 areas for each channel to project what sales
17 prices and promotions are for the total United
18 States.

19 This slide here is a map of the United
20 States with state and county borders drawn in. It
21 has the 25 defined convenience store market areas
22 shown in green with a yellow border. You can see

1 that some of the markets are quite large -- for
2 example, the Phoenix market consists of the entire
3 state of Arizona -- while other markets are fairly
4 small geographically. If you look at Chicago, the
5 southern end of Lake Michigan, you'll see that it
6 is fairly small geographically. However, there is
7 reasonable coverage across the four major regions
8 of the United States, including the Northeast, the
9 South, the Midwest -- and the Midwest.

10 This is a map of the United States, as
11 before, with the 10 combined food, drug, and mass
12 markets highlighted in purple with a yellow
13 border. Coverage for this channel is focused on
14 the Northeast in the United States.

15 This slide presents the map of the United
16 States, as before, with the Nielsen-defined food
17 market areas in light blue with a yellow border.
18 The 52 food market areas cover the largest
19 proportion of the United States and include about
20 72 percent of the U.S. population as of 2010.

21 So that covers a little bit about how
22 Nielsen collects and prepares its scanner data and

1 what's available to the user. So let's turn our
2 attention to what is actually in the scanner data
3 that we get.

4 RTI receives UPC-level scanner data,
5 which is the finest level of data that is
6 available. It includes the various item
7 characteristics for cigarettes, such as the brand
8 name, which might be Marlboro, for example; the
9 sub-brand, which would include information about
10 light or mild or ultra-light or any other kind of
11 sub-brand information that's included on the pack;
12 the length of the cigarette in millimeters;
13 whether the cigarette is filtered, yes or not;
14 whether it's menthol, yes or not; the unit size --
15 sometimes cigarettes come in packs of other than
16 20 cigarettes; the packaging type -- it could be a
17 pack, a carton, a half-carton, or multiples of
18 packs, as well as hard packs and soft packs -- and
19 the deal, which is a variable that measures
20 promotions.

21 There are three kinds of promotions that
22 come with the scanner data. There's the buy one,

1 get one free promotion, there are cents-off
2 promotions, and gifts with purchase promotions.

3 In order for these kinds of promotions to
4 appear in the scanner data, they have to be
5 associated with a unique universal product code,
6 and that is not always the case. So the figures
7 that I'll report later on the percent of sales
8 that are reported would tend to underestimate the
9 total amount of discounting and promotions that
10 occurs in the cigarette market.

11 The facts that are associated with each
12 item in the data set include the dollar volume or
13 the total dollar sales associated with that unit
14 in a particular time, in a particular market, and
15 the number of units sold.

16 So in the box, you see an example item
17 listing. This is taken directly from the data
18 that appeared to us. Reading it from left to
19 right, the CML stands for Camel; the M is menthol;
20 F is filtered; 85 is an 85 millimeter length
21 cigarette, so it's a king-sized cigarette; BX
22 means those cigarettes come in a box as opposed to

1 hard pack; and the P2P 1-1 is a code for
2 promotion. It's a promoted item. There are two
3 packs. You buy one, get one free. And then the
4 20 count, that equals 20 count, tells us that
5 there are 20 cigarettes in each one of those
6 packs.

7 For that particular item, Nielsen would
8 report the dollar sales, the unit sales, a
9 universal product code -- and the universal
10 product code as well.

11 From the measures that Nielsen reports,
12 we are able to calculate a standard quantity,
13 which is one 20-cigarette pack. As I mentioned
14 earlier, some units come in other-than-20
15 cigarettes per pack, and so we standardize all of
16 our pack counts to 20-cigarette packs.

17 We can calculate the price per unit by
18 dividing dollar sales by unit sales. We calculate
19 the price per pack based on the standard quantity.
20 We can sum up sales across different types of
21 units and brands, and come up with a market share
22 estimate for that. And we can look at promotions.

1 We can look at the sales associated with each kind
2 of promotion, the price associated with the
3 promotion, as well as the market share or the
4 percentage of all sales associated with any given
5 promotion.

6 So moving on to methods, the data that we
7 received from Nielsen came to us in spreadsheet
8 form. They sent us 102 spreadsheets, or 1,396
9 tabs. All of those tabs had to be edited for
10 conformity, and then we imported them into Stata
11 11 statistical software, which is running on a
12 Linux-based server here at RTI.

13 We do all of our processing in Stata, and
14 we run all of our programs in batch mode so that
15 there is a log file of all changes made to the
16 data and all analyses that are run. Nothing is
17 done interactively. We combine the data from all
18 the tabs and all the markets to a single analytic
19 data file.

20 We are able to parse the item string that
21 I mentioned earlier so that we can flag brands,
22 sub-brands. We can separate cigarettes out by

1 strength. We are able to separate menthol
2 cigarettes from non-menthol cigarettes, filtered,
3 by length and tar level, et cetera.

4 We code variables to identify the
5 promotions, including the type of promotions and
6 sales, and we use the packaging details in the
7 item string to calculate the standardized unit of
8 sale, which is the single 20-cigarette pack that I
9 told you about. All prices are adjusted for
10 inflation, and we have an extensive battery of
11 quality checks that we run on the data to make
12 sure that everything is processed correctly.

13 So in order to generate a measure of
14 total sales, all we have to do is sum up all of
15 the pack sales in the data. We can do that by
16 time period, by market, or for the total United
17 States. The price per pack is simply the dollar
18 sales for a given unit divided by the pack sales
19 for that given unit, adjusted for inflation.

20 The market share for menthol cigarettes
21 is just the sum of all pack sales for menthol
22 cigarettes divided by all pack sales. The market

1 share for promoted cigarettes is just the pack
2 sales for cigarettes that were flagged as being
3 promoted divided by all pack sales. We can do
4 this by retail channel, for time period, and by
5 type of cigarette, for menthol and non-menthol
6 cigarette alike.

7 Now, I mentioned earlier that the data
8 that Nielsen reports is essentially population
9 data because they use a propriety method to
10 project from the market level to -- from their
11 sample to the market level. So we're treating the
12 data as population data and not sample data.

13 Because of that, we don't do any
14 statistical testing on the data. We don't
15 generate any confidence intervals, nor do we make
16 any kind of statistical comparisons across time or
17 between markets. We can just look at the data and
18 see if there's a difference.

19 So let's get to our results. From the
20 104 weekly periods of data that I mentioned we
21 purchased for this project, we were able to
22 identify 195 cigarette brand families; 154 of

1 those, or 79 percent of them, had at least one
2 variety of menthol cigarette.

3 We were able to identify 1,401 individual
4 varieties of cigarettes. 512 of them, or 36 and a
5 half percent, were menthol. We defined a
6 cigarette variety as being a combination of a
7 cigarette's brand, sub-brand, tar level, length,
8 and whether it was filtered or menthol. That
9 would include clove cigarettes as well.

10 This chart lists the top 10-selling
11 cigarette varieties in the United States by dollar
12 sales over the two-year period from August 16,
13 2008 through July 16, 2010. The results are for
14 the total United States over that time period, and
15 combine the food, drug, and mass and convenience
16 store channels.

17 The top-selling brands are Marlboro
18 Lights, 85 length, 85 king-sized, non-menthol
19 cigarettes, for \$18.2 billion in total sales over
20 that two-year period. Menthol cigarettes are --
21 three of the top 10 cigarette varieties are
22 menthol. Number three is Newport, with

1 \$6.6 billion in sales over that two-year period.
2 The next menthol variety is another Newport
3 variety, with \$3.8 billion in sales. And the
4 number 10, top 10-selling cigarette variety is
5 Marlboro, menthol variety, with \$2.4 billion in
6 sales over the two years.

7 This chart lists the top 10-selling
8 menthol varieties. You can see that Newport and
9 Marlboro have the top five spots locked up. The
10 number one brand, Newport, full strength, 85
11 millimeter, is far and away the most popular
12 menthol variety, with \$6.6 billion in sales over
13 the two-year period.

14 DR. SAMET: Brett, sorry to interrupt.
15 Just watch the time. How many more slides do you
16 have, roughly?

17 DR. LOOMIS: Well, I have approximately
18 20 more slides, but as I click through them, I
19 don't see any of the data.

20 DR. SAMET: Oh, I don't, either.

21 DR. LOOMIS: They're all blank. I have
22 the presentation on my computer. I can share my

1 desktop.

2 DR. SAMET: I wonder -- yes. We are
3 nearing the end of what should have been your
4 presentation time. We were sent slides this
5 morning. I don't know -- let me pull up what came
6 and see if yours were -- let's see if they are --
7 if we have the right stuff. Those who have access
8 to computers might be able to look.

9 DR. HECK: Yes. Mr. Chairman, the ones I
10 received were intact. Daniel Heck.

11 DR. SAMET: Okay, Dan. Thanks. Yes.
12 For those of us who have access to our computers,
13 as Dan pointed out, the slide sets that were sent
14 this morning do have the data included. So we
15 could either, with your guidance, Brett, click
16 through -- perhaps we could do that, and perhaps
17 somebody could be fooling around with your
18 computer to see if they could get the slides up.

19 So you were at slide 22, I think.
20 Correct?

21 DR. LOOMIS: Yes. I'm currently at slide
22 22. I can share my computer screen, and I can pull

1 up the presentation on my computer screen. And
2 then everybody should be able to see if I do
3 that.

4 DR. SAMET: Okay, relatively quickly.

5 MS. COHEN: We can see the graphics here
6 in this room.

7 DR. LOOMIS: All right. Here we go.

8 MS. COHEN: We're working on trying to
9 get everybody to be able to see this. Can you see
10 the graphics on your --

11 DR. SAMET: Yes. I can see it. Yes, it
12 is back now.

13 MS. COHEN: Okay.

14 DR. LOOMIS: Okay. I'll go through these
15 quickly, and then we can have our break. I think
16 everybody probably has to --

17 DR. SAMET: Well, I want to make sure
18 there's time for questions, actually.

19 DR. LOOMIS: All right. This chart,
20 chart number 22, shows weekly cigarette pack
21 sales. The top line is weekly cigarette pack
22 sales in convenience stores. The bottom line, the

1 blue line, is pack sales in food, drug, and mass
2 combined.

3 Along the bottom axis, even though it's
4 not labeled as such, are the weeks. It starts at
5 8/16/08 and goes through July 16, 2010. And along
6 the vertical axis is packs sold per week in
7 millions. So in August 16, 2010, that week
8 ending, there were a total of 269 million packs
9 sold, 232 million from convenience, 37 million
10 from food, drug, and mass.

11 There was somewhat of a decline of
12 approximately 10 percent by the end of the period.
13 At the end of the period, there were 242 million
14 packs sold per week, 209 million of them coming
15 from convenience stores and 33 million coming from
16 food, drug, and mass. Next slide, please.

17 Slide 23 shows the percent of those sales
18 that were menthol. In convenience stores, there
19 were between 25.1 percent and 27 percent of all
20 sales of cigarette sales were menthol, and in
21 food, drug, and mass stores, they were between
22 24.5 and 25.7 percent of total sales that were

1 menthol. So menthol sales do appear to be
2 increasing slightly over this period, but the
3 sales of menthol cigarettes are comparable across
4 the two channels. Next slide, please.

5 This is a chart of the long-term trend
6 for menthol cigarette sales from the food channel.
7 In 1994 in grocery stores, menthol accounted for
8 24.5 percent of all cigarette sales. By third
9 quarter of 2010, they had declined slightly to
10 22.6 percent of sales in food stores. Next slide,
11 please.

12 This chart shows the average inflation-
13 adjusted price per pack of cigarettes between
14 August 16, 2008 and July 16, 2010 for convenience
15 stores and food, drug, and mass combined. At the
16 beginning of the period, in August of 2008, the
17 prices were basically the same, \$3.73 per pack in
18 both convenience stores and drugstores. By the
19 end of the period, in July of 2010, it was almost
20 virtually the same. It was \$5.03 per pack in
21 convenience stores on average, \$5 per pack in
22 food, drug, and mass on average.

1 The horizontal line shows approximately
2 the location of the April 1, 2009 federal
3 cigarette excise tax increase. You can see by the
4 jump in the price series there the impact that
5 raising that tax had on retail prices. Quite
6 notable. Next slide, please.

7 This shows the average price for menthol
8 and non-menthol cigarettes in the food, drug, and
9 mass channel. In August of 2008, menthol
10 cigarettes were approximately 12 cents more
11 expensive than non-menthol cigarettes, and at the
12 end of the time period, in July of 2010, menthol
13 cigarettes were still more expensive by about 13
14 cents compared to non-menthol cigarettes. So
15 menthol cigarettes do appear to be slightly more
16 expensive in food, drug, and mass than in
17 convenience stores.

18 Can you please advance the slide.

19 This shows the real price per pack of
20 menthol versus non-menthol cigarettes in
21 convenience stores. Again, we see that menthol
22 cigarettes are slightly more expensive than non-

1 menthol cigarettes over the entire time period
2 shown. There is a 6-cent differential at the
3 beginning of the series, August 2008, and by the
4 end of the series, that had expanded to 13 cents
5 per pack difference, where menthol being more
6 expensive than non-menthol cigarettes. Next
7 slide, please.

8 This shows the long-term trend in the
9 price per pack of cigarettes for menthol versus
10 non-menthol. This is the real price per pack --
11 it's been adjusted to 2009, inflation-adjusted --
12 in the food stores. In 1994, \$2.24 on average for
13 a pack of menthol cigarettes and non-menthol
14 cigarettes alike. By the end of the time period
15 in 2010, menthol cigarettes had become 14 cents
16 more expensive, on average, than non-menthol
17 cigarettes. Next slide, please.

18 This slide shows the percent of total
19 sales that are promoted for convenience stores and
20 food, drug, and mass. The red line is
21 convenience, the blue line is food, drug, and
22 mass. This is for all cigarette sales.

1 At the beginning of the period, you can
2 see there's about 4.43 percent of all cigarette
3 sales from convenience stores were promoted,
4 compared to just over 1 and a half percent of
5 cigarette sales at food, drug, and mass. The
6 general trend is upward. By the end of the
7 period, close to 6 percent of sales were promoted
8 in convenience stores, and 2.7 percent of sales
9 were promoted in food, drug, and mass, although it
10 is quite variable over the time period, as you can
11 see there. Next slide, please.

12 This shows the percent of all sales that
13 are promoted for menthol and non-menthol
14 cigarettes in the food, drug, and mass category.
15 In general, sales of promoted cigarettes is
16 generally higher in the menthol category versus
17 the non-menthol category over the entire time
18 period. Next slide, please.

19 This is the percent of sales that are
20 promoted for menthol and non-menthol cigarettes in
21 convenience stores from August 2008 through July
22 of 2010. In general, menthol cigarettes have

1 higher promoted sales than non-menthol cigarettes
2 in convenience stores, although this is not always
3 the case. You can see in the first half of the
4 series that there are plenty of weeks when there
5 are more non-menthols being sold under promotion
6 than menthol cigarettes, and the variability is
7 quite pronounced. Next slide, please.

8 This is a long-term trend of promoted
9 sales for menthol and non-menthol cigarettes from
10 food stores in the United States. In the early
11 part of the series, in 1994, '95, '96, '97, you
12 can see that promoted sales were quite low. After
13 the master settlement agreement in 1998 and 1999,
14 promoted sales increased somewhat for both menthol
15 and non-menthol cigarettes. At the time, it was
16 considered a very large increase in promoted
17 sales. It was dwarfed by the spike in promoted
18 sales in 2002 and 2003 for non-menthol cigarettes.

19 After 2003, you can see that promoted
20 sales for menthol cigarettes increased steadily,
21 while promoted sales were -- excuse me. Promoted
22 sales for menthol cigarettes increased steadily,

1 while promoted sales for non-menthol cigarettes
2 stayed basically flat. And there was a decline in
3 2009, and now they're just about equal in 2010.
4 So promoted sales for menthols and non-menthols
5 over time have been increasing.

6 Let's see. This chart here shows the
7 various types of promotions for menthol cigarettes
8 in the food, drug, and mass channel by week. The
9 green area -- the blue area, excuse me, shows the
10 percent of sales that are accounted for by buy
11 one, get-one-free type offers. The red part, which
12 is quite slim, is the percent of promoted sales
13 accounted for by item giveaways, such as buy a
14 pack, get a lighter. And the green area shows the
15 percent of those that are accounted for by
16 straight-up price discounts, such as the 50-cent
17 price discount per pack. In the early part of the
18 series, buy one, get one free were more prevalent
19 than in the later part of the series, when they
20 had virtually disappeared. Next slide, please.

21 This shows promotions for non-menthol
22 cigarettes in food, drug, and mass. The blue area

1 is buy one, get one free, the green area are cents
2 off, and the red area are buy one, get a gift with
3 purchase. Again, for non-menthol cigarettes, we
4 see that buy one, get-one-free type offers
5 disappear almost completely in the later part of
6 the series compared to the beginning part of the
7 series. And the relative frequency of buy one,
8 get-one-free type offers is much more common for
9 non-menthol than for menthol cigarettes. Next
10 slide, please.

11 This shows promotions for menthol
12 cigarettes in convenience stores. The blue are
13 buy one, get-one-free type offers. You can see
14 that in the early part of -- well, in the last
15 half of 2008, early part of 2009, buy one,
16 get-one-free offers were much more prevalent for
17 menthol cigarettes in convenience stores than they
18 were in the last half, in the last two-thirds of
19 the time frame. Next slide, please.

20 This shows the type of promotions for
21 non-menthol cigarettes in convenience stores.
22 Just like for menthol cigarettes, buy one,

1 get-one-free type offers were much more prevalent
2 than they used to be, and between August of 2008
3 and February of 2009, buy one, get-one-free offers
4 accounted for almost all promotions for non-
5 menthol cigarettes in convenience stores. By the
6 end of 2009, early 2010, it was cents-off type
7 promotions that accounted for almost all promoted
8 sales for non-menthol sales in convenience stores.
9 Next slide, please.

10 Okay. So just to run through a few
11 conclusions that we can draw from all of this
12 information, menthol cigarettes are certainly
13 popular, with three of the top-10 selling
14 cigarette varieties. Convenience stores sell six
15 times as many cigarettes as food stores,
16 drugstores, and mass merchandisers combined, yet
17 the proportion of sales that are menthol is
18 similar across both of those channels.

19 The long-term trend in menthol sales from
20 the food channel is pretty stable, between 22 and
21 24 percent total sales, which is consistent with
22 what we see in the near-term trend from

1 convenience stores and food, drug, and mass.

2 Cigarette prices are increasing steadily,
3 with menthol cigarettes being slightly, though
4 consistently, more expensive than non-menthol
5 cigarettes by approximately 2 to 3 percent. Next
6 slide, please.

7 Promoted cigarettes account for a greater
8 proportion of total sales in convenience stores
9 than in the food, drug, and mass category.
10 Promoted cigarettes account for a generally
11 greater proportion of sales for menthol cigarettes
12 compared to non-menthol cigarettes in both
13 convenience stores and food, drug, and mass.

14 The long-term trend in sales of promoted
15 cigarettes in grocery stores shows high variance
16 over time, and the mix of promotions has changed
17 recently, with buy one, get-one-free type offers
18 being much less common than cents-off offers in
19 the past year.

20 At this time, I'd like to briefly
21 acknowledge my colleagues, Andrew Busey, Doris
22 Fuller, Nathan Mann, and Matthew Farrelly.

1 Without their assistance, this presentation would
2 not have been possible.

3 DR. SAMET: Thank you. Thanks, Brett.

4 We are a little bit behind. We've heard,
5 I think, a lot of very interesting data. We have
6 a public comment period ahead, and I believe we
7 have six commenters. So what I'm going to ask is
8 that clarifying questions be very explicit and
9 brief.

10 Greg, explicit and brief. Go ahead.

11 Greg?

12 AUTOMATED VOICE: The conference is now
13 in silent mode.

14 [Laughter.]

15 DR. CONNOLLY: Hello? Can you hear me?

16 Hello?

17 MR. GRAHAM: We hear you.

18 AUTOMATED VOICE: The conference is now
19 in talk mode.

20 DR. CONNOLLY: Can you hear me?

21 DR. SAMET: Hang on a second. Tom, are
22 we all set with this?

1 MR. GRAHAM: We are good to go.

2 DR. SAMET: Okay. And just again, I want
3 just brief clarifying comments because of the time
4 here.

5 DR. CONNOLLY: Okay. Briefly, we found a
6 lot of problems with the cleanliness of the
7 Nielsen data, and actually going back in and
8 clarifying what they were claiming to be menthol
9 versus non-menthol. What were your data cleaning
10 procedures?

11 DR. LOOMIS: We have extensive data
12 cleaning procedures that we've developed over the
13 past eight years in working with Nielsen data. If
14 you want, maybe that's something that we can
15 follow up with you online.

16 DR. CONNOLLY: Okay. Second point is,
17 price promotions are interesting; but we did a
18 study looking from '96 to 2004, and we found
19 menthol advertising through MRI data sets to be
20 extremely high versus non-menthol brands.

21 Have you looked at the MRI data sets?

22 DR. LOOMIS: We have not.

1 DR. CONNOLLY: Your study was a study
2 that lasted one year and three quarters. If you
3 go back in and you look at the data prior to that,
4 it only includes 20 percent of market, that being
5 pharmacies and probably food chains.

6 Do you think those two samples are
7 comparable?

8 DR. LOOMIS: I think they're comparable
9 in some respects, yes.

10 DR. CONNOLLY: Did you see any change in
11 UPCS codes when the law went into force requiring
12 a ban of menthol descriptors -- I mean, light
13 descriptors on menthol brands? Did you see a
14 change in the UPC codes? Did you take that into
15 account?

16 DR. LOOMIS: No. We did not see any
17 change in the UPC codes. In fact, we still see
18 those descriptors appearing in the Nielsen data.
19 I think it's because -- well, I could speculate on
20 the reason for that, but I won't at this time.

21 DR. CONNOLLY: Okay. I'm just making
22 observations. We're looking at one year and three

1 quarters of data, and I think that should be taken
2 into account. Thank you.

3 DR. SAMET: Melanie?

4 DR. WAKEFIELD: Yes. Thanks, Dr. Loomis,
5 for your presentation. I just wanted to clarify
6 that the slides that you put up showing real price
7 per pack, is that the price after the promotions
8 had been taken -- is it the price paid after the
9 promotions had been taken into account, or could
10 you just clarify what that is?

11 DR. LOOMIS: Yes. Yes, that's true.
12 Promotions have been taken into account there.

13 DR. WAKEFIELD: Okay. Thank you.

14 DR. SAMET: John? John Lauterbach?

15 DR. LAUTERBACH: Okay. Can you hear me
16 now?

17 DR. SAMET: Yes.

18 DR. LOOMIS: Yes.

19 DR. LAUTERBACH: With most of the small
20 manufacturers being only non-menthol, or very much
21 non-menthol, does that skew your data in any way
22 in terms of any of these percentages?

1 DR. LOOMIS: No, I don't think so,
2 because we're summing over all cigarette
3 varieties. So to the extent that the small -- the
4 varieties produced by small manufacturers are in
5 the data, then they're represented according to
6 their weight in the market.

7 DR. SAMET: Cathy? Cathy? I wonder if
8 we lost her. Cathy Backinger?

9 DR. BACKINGER: Hello?

10 DR. SAMET: Yes.

11 DR. BACKINGER: I'm sorry, but there's a
12 little bit of a delay when we're unmuting our
13 phones.

14 Here's my quick question, and I'm
15 assuming, and I don't know all the methodologies
16 for using Nielsen data. But given that you
17 presented showing the maps of where the data are
18 collected by state and county, I'm wondering
19 whether you can do further breakdowns by -- at
20 probably the county level or even less, about in
21 communities that are more primarily African
22 American, to look at the price differential for

1 both menthol and non-menthol in those communities
2 compared to non-African American communities as
3 well, with the actual amount of the price cents --
4 the price discount is, and also maybe the type of
5 discount.

6 Is that possible?

7 DR. LOOMIS: Well, the lowest level of
8 geographic unit that I would want to report these
9 data for is the market area, and you saw how big
10 some of those market areas are on the map.

11 DR. BACKINGER: Yes.

12 DR. LOOMIS: In the report that we intend
13 to submit to FDA in December, it will have market-
14 by-market breakdowns.

15 DR. BACKINGER: Then we can -- from
16 census data, then we could find out, then -- to at
17 least make a comparison as far as percentage of
18 different rates' ethnicities in those market
19 areas?

20 DR. LOOMIS: Yes. That's quite possible.

21 DR. BACKINGER: Thank you.

22 DR. SAMET: Okay. I don't see anybody

1 else's hand up. We are behind. We are scheduled
2 for a break at this point. I'm going to suggest
3 that if we take a break -- let's see, I've got
4 about 10 after -- that we reconvene in 10 minutes
5 because of where we are.

6 Actually, looking at the room, Corinne,
7 can you make sure we're ready to go in 10 minutes?
8 I think last time we did this on one of these
9 calls, we were quite delayed in getting back
10 together. So let's make it 10 minutes.

11 DR. HUSTEN: We'll start in 10 minutes
12 whether everybody's here or not.

13 DR. SAMET: Okay. All right. Ready,
14 set, go.

15 MR. GRAHAM: Please do not hang up on the
16 phone.

17 (Whereupon, a recess was taken.)

18 **Open Public Hearing**

19 DR. SAMET: We're moving on to the open
20 public hearing. And as I begin it, I want to make
21 introductory remarks.

22 Both the Food and Drug Administration, or

1 FDA, and the public believe in a transparent
2 process for information-gathering and decision-
3 making. To ensure such transparency at the open
4 public hearing session of the advisory committee
5 meeting, FDA believes that it is important to
6 understand the context of an individual's
7 presentation.

8 For this reason, FDA encourages you, the
9 open public hearing speaker, at the beginning of
10 your written or oral statement, to advise the
11 committee of any financial relationship that you
12 may have with a sponsor, its product, and if
13 known, its direct competitors.

14 For example, this financial information
15 may include the sponsor's payment of your travel,
16 lodging, or other expenses in connection with your
17 attendance at the meeting. Likewise, FDA
18 encourages you at the beginning of your statement
19 to advise the committee if you do not have any
20 such financial relationships. If you choose not
21 to address this issue of financial relationships
22 at the beginning of your statement, it will not

1 preclude you from speaking.

2 The FDA and this committee place great
3 importance in the open public hearing process.
4 The insights and comments provided can help the
5 agency and this committee in their consideration
6 of the issues before them.

7 That said, in many instances and for many
8 topics there will be a variety of opinions. One
9 of our goals today is for the open public hearing
10 to be conducted in a fair and open way where every
11 participant is listened to carefully and treated
12 with dignity, courtesy, and respect. Therefore,
13 please speak only when recognized by the chair.
14 Thank you for your cooperation.

15 I'll also point out that each speaker is
16 limited to 10 minutes for their presentation. And
17 I guess, Karen, they will have a light indicating
18 the time; is that correct?

19 MS. COHEN: Yes.

20 DR. SAMET: I'm sorry?

21 MS. COHEN: Yes. Yes, we will be timing
22 them with a light.

1 DR. SAMET: So I'll be watching, but,
2 speakers, please limit your presentation to 10
3 minutes. And then, if the committee has questions,
4 they will follow.

5 So our first presenter is Jonathan
6 Winickoff, representing the American Academy of
7 Pediatrics. Jon?

8 DR. WINICKOFF: My name is Dr. Jonathan
9 Winickoff. I'm a practicing pediatrician and
10 associate professor at Harvard Medical School. My
11 research focuses on tobacco control in child
12 healthcare settings, and child secondhand smoke
13 exposure. I have no relevant financial
14 relationships to disclose.

15 I'm here today in an official capacity,
16 representing the American Academy of Pediatrics,
17 the AAP, as a member and past chair of the AAP
18 Tobacco Consortium, and as a principal with the
19 AAP Julius B. Richmond Center of Excellence.

20 The AAP is a nonprofit professional
21 organization of more than 62,000 primary care
22 pediatricians, pediatric medical subspecialists,

1 and pediatric surgical specialists dedicated to
2 the health, safety, and well-being of infants,
3 children, adolescents, and young adults.

4 The AAP welcomes this opportunity to
5 address the Tobacco Products Scientific Advisory
6 Committee. The Food and Drug Administration has a
7 vitally important role to play in protecting
8 children and adolescents from the harms of
9 tobacco, and this committee's guidance will be
10 essential to this effort.

11 The AAP recognizes the substantial
12 dangers of tobacco use and secondhand smoke
13 exposure to children's health. Tobacco control
14 was named a strategic priority by the AAP in 2005,
15 and the Julius B. Richmond Center of Excellence,
16 dedicated to the elimination of children's
17 exposure to tobacco, was established in 2006 to
18 foster tobacco control research and initiatives at
19 the AAP. The Richmond Center has allowed the
20 Academy to pursue numerous research projects, one
21 of which we will share with you today.

22 The mission of the Richmond Center is

1 accomplished by changing the clinical practice of
2 pediatrics through the development and
3 dissemination of practice tools, research,
4 healthcare systems change, and improvement of
5 community health. Our vision is that all child
6 healthcare clinicians will be active participants
7 in the elimination of tobacco and secondhand smoke
8 exposure of children. Pediatric clinicians are
9 well-positioned to counsel parents about reducing
10 secondhand smoke exposure in a repeated and
11 consistent manner and can provide critical support
12 for community policy changes that help protect
13 children.

14 The Richmond Center works to create a
15 healthy environment for children, adolescents, and
16 families through public education and the
17 promotion of public health policies to eliminate
18 tobacco. The Center helps provide child health
19 clinicians with education, training, and tools
20 needed to effectively intervene to protect
21 children from the harmful effects of tobacco and
22 secondhand smoke.

1 Today we'd like to share with the
2 committee new data available on public attitudes
3 toward the regulation of menthol cigarettes.
4 Menthol is particularly troubling to the public
5 health community, and Congress did not explicitly
6 ban its use along with the prohibition on other
7 cigarette flavors.

8 The role of menthol in facilitating
9 smoking initiation is greatly concerning. Our
10 nation's youth smoke menthol cigarettes at higher
11 rates than older smokers. While a child's first
12 cigarette is usually an unpleasant experience,
13 menthol can make it less so, partially by
14 anesthetizing the throat against the harshness of
15 tobacco smoke.

16 As Carol McGruder, co-chair of the
17 African American Tobacco Control Leadership
18 Council explained, "Menthol is not just a
19 flavorant. It makes it easier for our youth to
20 start smoking, it keeps people smoking, and it
21 inhibits them from quitting. Menthol makes the
22 poison go down easier."

1 Our new data comes from the Social
2 Climate Survey of Tobacco Control, an annual
3 cross-sectional survey on attitudes regarding
4 tobacco and tobacco regulation. Support for the
5 survey was provided by the Flight Attendant
6 Medical Research Institute and the American Legacy
7 Foundation. While this research has been
8 submitted for publication, we felt it important to
9 share the data with the committee before it
10 completes its work addressing menthol cigarettes.

11 With the 2009 Social Climate Survey
12 results, we now for the first time have scientific
13 data on public attitudes towards banning
14 cigarettes with menthol and other flavors, both
15 among the general population and specifically in
16 the African American community. Since 82.6
17 percent of African Americans smoke menthol
18 cigarettes, it was important to gauge the
19 attitudes of this particular population.

20 The national survey was conducted using
21 rigorous random digit dial survey methodology, and
22 polled 1,514 people in the initial sample. An

1 additional sample of 303 African Americans was
2 later obtained to allow us to make stronger
3 statistical inferences about this population.

4 We asked respondents whether they
5 strongly agreed, agreed, disagreed, or strongly
6 disagreed with two statements: Cigarettes with
7 added flavorings, like cherry, chocolate, lime,
8 and mint should be prohibited; and, two, menthol
9 cigarettes should be prohibited, just like other
10 flavored cigarettes. We also asked respondents a
11 series of questions to determine whether they were
12 current smokers, former smokers, or never smokers.

13 Overall support for banning flavors was
14 70.2 percent, and support for banning menthol
15 specifically was 56.1 percent. Among African
16 Americans in the additional sample, there was
17 78.8 percent support for banning flavors, and 75.8
18 percent support for banning menthol specifically.

19 Even current smokers were not universally
20 opposed to banning flavors. Overall, 43.1 percent
21 of current smokers supported banning flavors
22 generally; 28.4 percent supported a specific ban

1 on menthol. Among African American smokers, in
2 the additional sample, 57.4 percent supported
3 banning flavors and 52.8 percent favored banning
4 menthol.

5 Data on smokers who themselves smoke
6 menthol cigarettes were even more surprising. Of
7 the 97 menthol smokers in the main sample, a full
8 one-fifth, or 20.6 percent, wanted menthol
9 cigarettes, their chosen product, banned. Of 44
10 menthol smokers in the additional sample of
11 African Americans, roughly half, or 47 percent,
12 wanted menthol banned.

13 In sum, the results clearly show that the
14 American public strongly favors a ban on menthol
15 cigarettes. This result is consistent among both
16 whites and African Americans.

17 The tobacco industry has argued that the
18 continued availability of menthol cigarettes
19 protects the user preferences of a specific
20 demographic group. This argument is completely
21 undercut by these data, which show that not only
22 do an overwhelming number of African Americans

1 favor a menthol ban, but even a majority of
2 current African American smokers support removing
3 menthol from cigarettes. Moreover, almost half of
4 African American menthol smokers want their own
5 preferred product banned.

6 This may reflect an acknowledgment of the
7 particular disease burden experienced by this
8 community as a result of menthol cigarettes and
9 may also reflect a desire among current menthol
10 smokers to quit. We would also expect that as
11 efforts continue to educate the public about the
12 impact of menthol cigarettes, particularly on
13 youth, the number of those who favor a menthol ban
14 will only rise. We ask both this committee and
15 the FDA to be cognizant of these data when
16 considering policy responses to the problem of
17 menthol cigarettes.

18 At this committee's first meeting in
19 March, the AAP applauded FDA for removing flavored
20 cigarettes other than menthol from the market. We
21 further stated our opposition to all flavored
22 tobacco products, including mentholated products,

1 due to their attractiveness to children and
2 adolescents and their impact on smoking
3 initiation.

4 Today, we reiterate our call for FDA to
5 swiftly remove from the market all flavored
6 tobacco, including menthol cigarettes, flavored
7 cigars, flavored cigarillos, and flavored
8 smokeless tobacco products. The sole exception to
9 this prohibition should be nicotine replacement
10 therapies that are approved by the FDA.

11 Because children are a vulnerable
12 population, it has always been the position of
13 this AAP that when it comes to protecting them
14 from dangerous products, the burden of proof must
15 always favor the health and well-being of
16 children. In our view, there is more than
17 sufficient evidence of menthol's harm to justify
18 its removal from the market, and the American
19 public agrees.

20 Thank you for the opportunity to speak to
21 you today.

22 DR. SAMET: Thank you.

1 Let's see if we have clarifying questions
2 from the committee. Melanie?

3 DR. WAKEFIELD: Yes. Just a quick
4 question.

5 It's helpful, I think, to see some
6 representative population data on this. Could you
7 just clarify what the response rate for the survey
8 was? I think that's quite important to know.

9 DR. WINICKOFF: Yes. We had two survey
10 samples. In the first sample, of 2,560 eligible
11 respondents contacted, we had 1,514 completed the
12 survey, so a 59 percent response rate. And in the
13 over-sample of African Americans of 427 eligible
14 African Americans contacted, 303, or 75.7 percent,
15 completed the survey.

16 DR. WAKEFIELD: That's pretty
17 respectable. Thank you.

18 DR. SAMET: Thank you.

19 Greg? Let's see. Greg?

20 DR. CONNOLLY: Jon, could you share with
21 the FDA the methods and the raw data? And did you
22 over-sample black smokers in your survey?

1 DR. WINICKOFF: Yes. We did have a
2 second sample, Greg, of African Americans,
3 realizing that this was a group of particular
4 interest and importance. So there are two
5 specific samples, one general sample and then an
6 additional sample focused on African Americans.

7 DR. CONNOLLY: Is it possible to go back
8 and re-survey with an over-sample of African
9 American smokers?

10 DR. WINICKOFF: Yes. Actually, that was
11 the reason why we did the 303 sample of African
12 Americans, and this is a nationally representative
13 sampling of that group.

14 DR. CONNOLLY: But were these smokers --
15 were the African American smokers over-sampled so
16 that -- and if you didn't, could the Academy go
17 back in and do an over-sample of minorities?

18 DR. WINICKOFF: Yes. Yes, we could get
19 more African American smokers, if that were funded
20 appropriately.

21 DR. SAMET: Mark? Let's see. Mark?

22 DR. CLANTON: Can you hear me?

1 DR. SAMET: Now we can, yes. Go ahead.

2 DR. CLANTON: Yes. I'm having some
3 trouble with you on and off, but I apologize.

4 My question has to do with an even more
5 amplified paradox, I guess. The industry has
6 testified and maintains that adults who smoke
7 menthol cigarettes do so because they like the
8 taste and for no other reason. But your data
9 talks about African Americans who are smoking
10 menthol cigarettes being in favor of a ban of even
11 their own brand of cigarettes.

12 I'd like to give you an opportunity to
13 maybe expand and maybe speculate further why in
14 the world that would be the case if, in fact,
15 taste is the only reason people pick these
16 cigarettes and smoke them.

17 DR. WINICKOFF: I can think of two
18 reasons. I think it reflects a desire to quit
19 smoking, and I think it reflects a desire to
20 ensure that their relatives, their children, are
21 no longer targeted and addicted by a mentholated
22 product that eventually will kill half of all

1 those who use it.

2 DR. CLANTON: So it appears that your
3 sense is that there's more than taste involved in
4 menthol, that there's some measure of dependence
5 as it relates to both the menthol and the nicotine
6 blend?

7 DR. WINICKOFF: Yes, more than taste.

8 DR. CLANTON: Thank you.

9 DR. SAMET: Dan?

10 DR. HECK: Yes. Thank you for your
11 comments, sir. May I ask, is the full script of
12 the telephone survey that you conducted available,
13 and can it be made available to the committee?

14 DR. WINICKOFF: Yes. It's online.

15 DR. SAMET: Jack?

16 DR. HENNINGFIELD: I just -- am I off
17 mute?

18 DR. SAMET: Yes. You're good.

19 DR. HENNINGFIELD: Okay. I just want to
20 comment. The ambivalence or even opposition of
21 many users of these products is not completely
22 surprising from just what we know about addiction

1 in a general perspective. And it's frequently the
2 case that people who are addicted to opioids,
3 stimulants, and other drugs also would love to see
4 themselves unable to get those products.

5 So while it may seem surprising to some
6 that some menthol smokers would like to see the
7 products banned, again, from a general addiction
8 perspective, that's not surprising. And in
9 writing up the report, the thoughts of, again,
10 other addiction experts on this panel like Drs.
11 Westley Clark and Hatsukami will be helpful.

12 DR. SAMET: Greg, did you have your hand
13 up again?

14 [No response.]

15 DR. SAMET: Okay. Are we done? Let's
16 see. I think we'll move on to our next speaker,
17 then.

18 If we can move to the next speaker,
19 Frederick Flyer from Compass Lexecon. Go ahead,
20 please.

21 DR. FLYER: Hi. I'm Frederick Flyer from
22 Compass Lexecon, and we are an economic consulting

1 group that has been retained by Lorillard to
2 conduct an economic analysis on the potential size
3 of the black market for menthol cigarettes that
4 might emerge if a ban were implemented.

5 Let me tell you a little bit about our
6 group, my expertise and the others who worked on
7 this project. We typically work on merger
8 assessment and commonly predict pricing associated
9 with mergers. I've worked on the Whirlpool/Maytag
10 merger, other large mergers that have gone up for
11 antitrust review. And I've also worked for the
12 government on a number of cases to assess mergers.

13 What we've been asked to do is to assess
14 the size of the market, pricing in that market,
15 and other aspects of the market. And we use the
16 approach that we typically use in merger analysis.
17 And, specifically, that approach relies on the
18 fundamental economic tools of demand and supply.
19 So we essentially try to look at --

20 [Pause]

21 DR. FLYER: What I was saying is we try
22 to use the methods of estimating demand and

1 supply, and to see -- really, to answer two basic
2 questions. One is, what would the black market
3 for menthol cigarettes look like in terms of size;
4 and, secondly, to understand, once we make that
5 prediction, what the likely effects would be on
6 aggregate smoking in general.

7 I want to say that that's a very
8 difficult task, and our work is still ongoing.
9 So, hence, what we report today are preliminary
10 results, and there's a paper that we anticipate
11 finishing within the next month that we will
12 provide. There's also much uncertainty in all of
13 the analyses, but we think there are some
14 fundamental aspects, economic aspects, that come
15 through from the analysis. And we'll touch on
16 some of that, and touch on some of the predictions
17 on the size of the market that come from our
18 review --

19 [Speaker adjusts microphone.]

20 DR. FLYER: Is this better?

21 DR. SAMET: That's better.

22 DR. FLYER: So we're going to touch a

1 little bit on the aspects of the analysis that we
2 think will point to, when looking at the market,
3 what type of contraband market would emerge, how
4 large it would be. And I think we've identified
5 key parameters, even though we have uncertainty in
6 terms of our parameter estimates, specifically on
7 the supply side because much of the market, what
8 it will look like will depend on the flow of
9 contraband cigarettes. And that's a subject that
10 really has much uncertainty associated with it.

11 But anyhow, to start the analysis, it may
12 be helpful to think about the three choices a
13 current menthol smoker would have post-ban. One
14 choice would be to quit smoking. The second
15 choice would be to shift to non-menthol
16 cigarettes. And the third choice would be to
17 source menthol cigarettes, and presumably source
18 those cigarettes on the black market, although
19 there may be other ways to source those
20 cigarettes.

21 So given those three buckets that a
22 smoker could potentially -- a current menthol

1 smoker could fall into, that really leaves, from
2 the demand perspective, three key questions to
3 answer.

4 One is, what is the substitution between
5 menthol and non-menthol cigarettes? And it may be
6 helpful to think of the effects of a ban from an
7 overview. If you think, for example, that menthol
8 and non-menthol cigarettes are very close
9 substitutes, what would be the effect of a ban?

10 Well, if the ban were to eliminate a
11 supply and only create an alternative black market
12 supply that may be charged at a higher price or
13 may be viewed to be more expensive in terms of its
14 full cost, non-menthol cigarettes would become
15 relatively less expensive vis-a-vis menthol
16 cigarettes. And if they were viewed to be close
17 substitutes, you'd have a large shift in demand.
18 In other words, current menthol smokers would
19 largely shift to non-menthol alternatives, and in
20 terms of aggregate smoking effects, you would have
21 very little reduction or no reduction. But you
22 would have a shift from menthol to non-menthol

1 sales.

2 On the other end of the spectrum, you
3 could think of a case where the demand for menthol
4 is what an economist would call highly inelastic,
5 meaning that current menthol smokers have strong
6 preferences for menthol cigarettes, in which case
7 even if there was a ban imposed and there was only
8 black market menthols available at, let's say,
9 substantially higher pricing, they would still
10 choose not to shift to non-menthol cigarettes and
11 source the menthol cigarettes on the black market.

12 The second sort of possibility that can
13 emerge represents the other end, and where the
14 actual world will fall is hard to say. You need
15 to understand what the substitution is between
16 menthol and non-menthol cigarettes to understand
17 whether there'll be no aggregate effect, or if
18 there is an aggregate effect, that would imply a
19 black market would emerge because it would mean
20 that the demand for the menthol cigarettes are
21 highly inelastic. But it also could mean,
22 simultaneously, that there is some reduction in

1 smoking, and the amount of each of the reduction
2 would depend on that cross-elasticity, and that's
3 part of what we try to evaluate in our study.

4 This is an overview, so let me get right
5 to it. The first observation, we've reviewed the
6 literature, the economics literature, on the
7 elasticity of cigarettes in general, and that
8 literature estimates that elasticity to be
9 somewhere in the vicinity of negative .3, negative
10 .4, which implies that even if you raise prices of
11 cigarettes, there's not going to be dramatic
12 reductions in consumption. Cigarettes are a
13 product that people consume even in the face of
14 higher pricing.

15 So the implication of that fact, which is
16 well-supported in the economics literature, is the
17 following, is that if a ban occurs, it's going to
18 have only a small effect relative to the price
19 change, and that small effect would only occur --
20 as I said previously, the menthol smokers, current
21 menthol smokers, don't view non-menthol cigarettes
22 as alternatives. But the net effect of the change

1 would be small relative to the price effect that
2 would occur. That's our first finding.

3 So it's unlikely, in other words, to have
4 a dramatic reduction in overall smoking partly
5 because menthol cigarettes are only a portion of
6 the market, and also because if a black market
7 emerges with an alternative supply, if that
8 alternative supply, even if it's priced 50
9 percent -- to run through a number, even if it's
10 provided at a cost that's 50 percent higher, it
11 would only be roughly, if you took a negative .3
12 elasticity, a 15 percent reduction of about 25, 30
13 percent of the market.

14 So that would be a 3 or 4 point net
15 reduction, and that's if the contraband price is
16 50 percent higher than current levels. If it was
17 25 percent higher, that 3 or 4 percent would be 2
18 or 3 percent, and so on. And that's really the
19 calibration that you'd have to do to estimate the
20 effect on aggregate smoking from an economics
21 perspective.

22 The second finding is, from our

1 preliminary estimates, we find that there's
2 evidence that supports the conclusion that -- and
3 we're looking just to start off with the
4 limitations of our data; we only had access to
5 Newport data. We do not have access to data from
6 other manufacturers.

7 So for the Newport brand, we found that
8 there is low elasticity. In other words, for the
9 Newport brand, there seems to be only a small
10 amount of shifting that's going on in terms of
11 price changes. And what we looked at is actually
12 wholesale prices, and we looked at buy-downs to
13 retailers. And this touches on something that was
14 presented before.

15 One of the ways that cigarette companies
16 discount is directly going to the retailer and
17 offering money back. And what we do is we
18 identify months where there were significant
19 changes in Newport's buy-downs, in other words,
20 presumably in terms of retail prices, to see how
21 that affected net flows in demand.

22 What we observe is that there is

1 significant shifting between menthol and non-
2 menthol cigarettes, that when Newport aggressively
3 promotes, they appear to take sales away from non-
4 menthol brands, and when they don't aggressively
5 promote, they tend to lose sales. And a lot of
6 those sales go to non-menthol brands.

7 What that implies in terms of the black
8 market is that there is sufficient demand out
9 there for menthol cigarettes that appears to be --
10 it shows strong preferences for menthol, and,
11 hence, would likely source from the black market
12 should a black market emerge.

13 DR. SAMET: Your 10 minutes are done. I
14 think if you could just wind up, please.

15 DR. FLYER: Okay. So let me go through -
16 - we do a calibration --

17 DR. SAMET: No. I'm sorry. Just please
18 wind up. Just please end. Thank you.

19 Let me ask again, those of us on the line
20 had some difficulty with the last speaker in
21 hearing you. Please speak directly into the
22 microphone because if you don't, it becomes very

1 difficult for us to hear you. And remember that
2 you are limited to 10 minutes.

3 Sorry to cut you off, and we are of
4 course interested in your presentation, but each
5 speaker is allocated 10 minutes.

6 Let's see. Mark?

7 DR. CLANTON: Hello?

8 DR. SAMET: Mark, go ahead, please.

9 DR. CLANTON: Yes. My question has to do
10 with any historical data or published data or data
11 coming from these studies that tells us anything
12 about the price elasticity of youth smoking.
13 Presumably -- I mean, there is some general
14 understanding that the higher the price of the
15 cigarettes, the less the initiation and also less
16 likely for kids to continue smoking with a higher
17 price.

18 But I'm curious about are there any bans
19 on price elasticity?

20 DR. FLYER: Yes. There is data on price
21 elasticities, and there are a number of studies on
22 youth elasticities. I would reference the

1 literature itself. There's broad literature on
2 that. And youth, like you say, have inelastic
3 demand. Some believe that demand elasticity is
4 slightly higher than the adult elasticity,
5 although there was an article published about four
6 or five years ago in the Journal of Political
7 Economy that contradicted that result.

8 But again, the elasticity is well below
9 1. The industry elasticity is well below 1 for
10 youth, and that's the common result. Whether it
11 lies a little bit ahead of the high -- whether
12 it's slightly higher than the elasticity for
13 adults is something that appears to be the case
14 from the literature.

15 DR. SAMET: Greg?

16 DR. CONNOLLY: Are you familiar with the
17 European data that shows countries like Sweden,
18 with the highest price of cigarettes, or one of
19 the highest in the E.U., with a lack of criminal
20 network, has very little smuggling; versus a
21 country like Italy, with a very low cigarette
22 price, or when the study was done, a low price,

1 but very high criminal activity; and the
2 conclusion of the study that price was not a
3 function, but really it was the presence of
4 criminal activity.

5 Are you familiar with the 1978 Cigarette
6 Contraband Labeling Act that the federal
7 government, through BATF, enforces?

8 DR. FLYER: I'm not familiar with the
9 Sweden study. We looked at the Canadian
10 contraband experience. And in Canada, there is a
11 substantial black market that emerged, represents
12 about 50 percent of sales at its peak in Quebec
13 and Ontario; although in other areas of Canada,
14 such as Saskatchewan, the rates were substantially
15 lower.

16 DR. CONNOLLY: In the Canadian research
17 that you did, did you look at the court documents
18 from New Orleans that implicate senior management
19 in Brown & Williamson with the smuggling activity
20 in Canada?

21 DR. FLYER: What we looked at are
22 publicly available articles that quantified the

1 black market in these different areas.

2 DR. CONNOLLY: Could you look at the role
3 of the tobacco industry in smuggling in Canada and
4 report back to the committee?

5 DR. FLYER: Okay.

6 DR. SAMET: Jack?

7 DR. HENNINGFIELD: Just very briefly, the
8 overwhelming majority of the data that I've seen
9 concerning elasticity is that elasticity for
10 cigarettes is generally similar to elasticity for
11 many other products. And I'm not aware of data
12 that show that menthol somehow is inelastic. If
13 that was true, it would imply that menthol
14 cigarettes are just much, much more addictive than
15 other cigarettes, but I don't think that's the
16 case.

17 DR. FLYER: Well, let me just say one
18 thing. We did not distinguish elasticity --

19 DR. HENNINGFIELD: The other comment is,
20 smuggling, it is not simply a function of price,
21 if Dr. Connolly was alluding to this. But in the
22 Canadian situation, for example, it was augmented

1 by the tobacco industry itself. Those are my only
2 comments.

3 DR. FLYER: Well, let me just say we
4 never say, or intend to say, that the elasticity
5 of menthol cigarettes are different than non-
6 menthols. That's something that's beyond the
7 scope of the study. The observation we made are
8 on cigarettes in general.

9 The second comment you have is that
10 that's where most of the uncertainty lies when
11 you're trying to understand what the market will
12 look like in the future, because we don't know
13 exactly what the supply sources would look like,
14 and there has been varied experience. But there
15 has been a substantial amount of information out
16 there that supports the conclusion, when you have
17 arbitrage opportunities in terms of price, you can
18 have substantial markets that emerge and that
19 could fill a large portion of the demand that
20 exists.

21 DR. SAMET: Melanie?

22 DR. WAKEFIELD: Thanks, Jon. Just

1 interesting to reflect on this presentation
2 following the last speaker, where such a large
3 proportion of menthol users would in fact support
4 their product being banned. And I think, along
5 with the tobacco industry arguments that smokers
6 like menthol for taste, this information doesn't
7 quite kind of gel for me in terms of what's likely
8 to happen. It seems like people will -- if it
9 were to go forward, a substantial number of people
10 would use it as a great opportunity to quit
11 smoking.

12 DR. FLYER: Well, all I can say is we
13 look at -- the difference in the studies is we try
14 to look at market data, which means it's what
15 actually happens, what people do, not what their
16 intents are or what they want. And to the extent
17 that they do things that they may not want, that's
18 something that's beyond the scope of our study.

19 DR. SAMET: Let's see. Mark, did you
20 have another question?

21 DR. CLANTON: Hello?

22 DR. SAMET: Yes, Mark.

1 DR. CLANTON: Can you hear me?

2 DR. SAMET: Yes.

3 DR. CLANTON: Okay. I'm afraid I was cut
4 off completely. I have no idea whether I finished
5 my question or whether that was an answer on the
6 price elasticity issue for use. I don't think so.
7 I'm just looking for whatever was said on that.

8 DR. FLYER: I'm sorry. Can you repeat
9 the question?

10 DR. CLANTON: Sure. You're basically
11 saying that menthol cigarettes appear to be fairly
12 price inelastic for adult smokers. What I'm
13 trying to understand is, for example, if there's a
14 ban and then a black market, which produces much
15 higher prices for black market cigarettes, if the
16 price elasticity for tobacco in general and
17 menthol specifically is fairly elastic for kids,
18 it would mean we probably would have fewer kids
19 smoking if it were initiating smoking if there was
20 a ban, and then even a black market for menthol
21 cigarettes.

22 So my initial question was, is there any

1 data, historical data, literature-based data, or
2 data that comes from your study, that tells us
3 something about what youth or children would do
4 with respect to whatever their elasticity is for
5 price in tobacco?

6 DR. FLYER: Okay. There's really two
7 parts. One is -- so I have a clarification. We're
8 not saying that the elasticity for menthol, in
9 terms of switching to non-menthol, would be
10 inelastic. Our best estimates are somewhere
11 around maybe 1.5 for the elasticity of menthol,
12 but with lots of uncertainty associated with that,
13 which technically would not be inelastic demand.
14 In other words, you would have an effect on
15 overall consumption of menthol should the prices
16 go up. That's the first point.

17 The second point is that that inference
18 is drawn from aggregate data that's primarily
19 accounted for by adult smokers as they smoke the
20 vast majority of cigarettes. So it would not
21 necessarily be a good instrument to measure the
22 elasticity for youth. It's an overall industry

1 elasticity that's primarily being driven by adult
2 smokers.

3 DR. CLANTON: Thank you for clarifying
4 that.

5 DR. SAMET: Thank you for your
6 presentation, and we'll look forward to having a
7 chance to digest it.

8 We'll move to our next presenter, Gilbert
9 Ross, the American Council on Science and Health.
10 And again, make sure you speak directly into the
11 microphone.

12 DR. ROSS: I shall do my best.

13 Thank you very much for the opportunity
14 to discuss menthol with this committee. I
15 represent the American Council on Science and
16 Health. They left my M.D. out, unfortunately.
17 I'd like to say that our organization was founded
18 in 1978, and ever since then we've been in the
19 forefront of anti-smoking education aimed at the
20 public.

21 This is the 2003 edition of a book we
22 originally researched and wrote in 1996, trying

1 to -- uh-oh, what did I do?

2 [Pause.]

3 DR. ROSS: It's 20 chapters and 200-odd
4 pages long, written by 20 different experts in
5 various medical fields, going through the whole
6 spectrum of the damage to health that cigarette
7 smoking does to the body; each chapter written by
8 an expert, peer-reviewed by about 20 other
9 scholars, with an afterword by Dr. George
10 Lundberg, former JAMA editor-in-chief. I'm proud
11 to be a co-editor of this 2003 edition. That's
12 just to give you some background.

13 The American Council on Science and
14 Health is a 501(c)(3) nonprofit charitable
15 organization. Financial disclosure, we take money
16 from anybody who'll give it to us as long as it's
17 no strings attached. So send your checks to --
18 never mind.

19 When we were following the negotiations
20 leading to the current tobacco regulation bill,
21 the Family Smoking Prevention and Tobacco Control
22 Act, we were wondering why menthol was carved out

1 of the ban because, as we all know, flavored
2 cigarettes do not really amount to a hill of beans
3 in the plateau of cigarette smoking.

4 The mantra that young people are
5 attracted to flavored cigarettes, I think, is
6 unsupported by any data. Can you imagine a 16- or
7 17-year-old kid smoking a cherry-flavored
8 cigarette on the schoolyard? Why menthol was not
9 banned? Menthol is really where the action is in
10 the market.

11 We assumed at my organization that there
12 was some sort of cynical deal going on to protect
13 tobacco markets. But why would Senator Kennedy
14 and Representative Waxman and all of the public
15 health groups be complicit in such an endeavor?

16 So we decided to commission a study, a
17 review of the literature, to find out what was the
18 real deal with menthol in cigarettes. And we
19 crafted this approximately 60-page report about
20 mentholation of cigarettes, looking at the
21 science, which is what we do. Our mission is to
22 try to narrow the gap between what people say and

1 what people think and what actually is supported
2 by the evidence, the science, the data.

3 We were somewhat surprised to find out
4 that it's not quite so easy to say let's ban
5 menthol, that in fact our conclusions in this
6 report are that there really are no physiological
7 toxicities associated with menthol in cigarettes
8 over and above, of course, the highly lethal
9 effect of the inhaled carcinogens and the
10 addictive nicotine, which are the main problems,
11 respectively.

12 Nicotine itself is hardly a health
13 problem, but it's a horrible addictive substance,
14 equivalent to cocaine and heroin. The inhaled
15 products of combustion, 4,000 chemicals, God knows
16 how many carcinogens, are what does the damage.
17 Menthol is, of course, a characterizing flavor.
18 It's not quite so easy to say, so let's ban it. I
19 mean, that seems a reflex response; at least it
20 was at first.

21 But what happens if you ban menthol from
22 cigarettes? That, already, is a subject that's

1 quite fraught. The previous speaker gave some
2 indication, although I was having a little trouble
3 with the elasticity and the 1.1, and I didn't
4 really understand all of that. But it seems quite
5 clear to me that people who like to smoke menthol
6 cigarettes are really quite devoted to smoking
7 menthol cigarettes, and that if you ban menthol,
8 the chances of creating a black market are
9 substantial.

10 What would be the benefit? Now, I ask
11 the committee, particularly, to take a step back
12 and say, well, what happens after you ban menthol?
13 Are we going to be improving public health? Will
14 fewer cigarettes be consumed, or will about the
15 same number of cigarettes? Because people who
16 smoke menthol cigarettes actually smoke fewer
17 cigarettes, on the average per day, than people
18 who smoke non-menthol cigarettes.

19 I believe that banning menthol would lead
20 to a significant black market in the production of
21 menthol cigarettes. These black market cigarettes
22 would be untaxed. Nobody that sells black market

1 cigarettes asks a kid for an ID to show their age.
2 This has been pretty well documented. When you
3 have major differences, for instance, in tax
4 rates, market smuggling occurs; for instance,
5 between Canada and New York state, having
6 something perhaps to do with the autonomous
7 nation's selling of untaxed cigarettes.

8 I think that the ban of menthol would be
9 unwise, and I think it might create a new category
10 of war on drugs, similar to the war on marijuana.
11 And given the proclivity of Afro-Americans to
12 smoke menthol cigarettes, I have a fear that it
13 would create a new police dictum to track down
14 people who are smoking menthol cigarettes or
15 selling them, and it would create another racial
16 issue, which is the last thing we need in this
17 country.

18 And for what? I really don't think that,
19 based upon the data -- and I would urge you to go
20 to our website, acsh.org, and have a look at this
21 paper. But the conclusion that we reach is that
22 our scientific review of the literature does not

1 support the contention that menthol in cigarettes
2 is particularly more harmful than non-mentholated
3 cigarettes in terms of health effects, heart
4 disease, cancers of any sort.

5 The issues that have been raised
6 concerning the potential banning of menthol
7 involve issues that are very difficult to measure,
8 such as initiation, cessation. Studies have been
9 mentioned about making it more difficult to quit.
10 The studies that I have reviewed, and I think I
11 reviewed most of these, are fairly inconsistent.
12 Also, they seem to be devoted mostly to people who
13 to go stop-smoking clinics, which is a separate
14 population from the large population.

15 The RPMI studies by Dr. Hyland, et al.,
16 the COMMIT study and the ITC-4 study, seem to show
17 that there was no -- in a large general
18 population, that there was no difference in
19 cessation rates between smokers who smoked
20 mentholated versus non-mentholated cigarettes.

21 I don't think that's a real issue,
22 either. And even to the extent it is, I think

1 that you have to weigh the balance of harm versus
2 good to public health that would be done by
3 banning menthol. I believe that more harm would
4 be done by banning it than good.

5 I have another minute and a half. It's
6 too bad I can't get that gentleman back again.
7 But I'm finished at this point. Any questions?

8 DR. SAMET: Thank you for your
9 presentation. I would just point out, of course,
10 that much of the process that this committee is
11 involved in now is reviewing the evidence based on
12 all the issues, or many of the issues, that you
13 touched on, not necessarily every single one.

14 Jack?

15 DR. HENNINGFIELD: Just very quickly, you
16 have strong opinions and diverse opinions, more
17 harm will be done with a large black market. I'm
18 wondering if on your website or your paper, you
19 have actual data because I didn't hear much data
20 to support that. And in fact, some of what you
21 were saying is in contrast to actual data that we
22 have been presented with.

1 DR. ROSS: Data about a black market?

2 DR. HENNINGFIELD: That there would be a
3 large black market created and more harm would be
4 done.

5 DR. ROSS: That's my opinion.

6 DR. HENNINGFIELD: I'm curious as to what
7 you meant by more harm would be done to public
8 health -- I'm paraphrasing -- by banning menthol.
9 That's at odds to other presentations that we've
10 had today, except possibly the one just before
11 you. But I'm just wondering, do you have actual
12 data to back up your opinions?

13 DR. ROSS: No. The only -- I don't. I
14 don't have any data to back up those opinions. I
15 can say that if a substantial black market did
16 appear in menthol cigarettes or self-mentholated
17 cigarettes, that there would be substantial harm
18 to public health, would be done, because there
19 would not be any significant decline in the number
20 of cigarettes smoked, and there would be more
21 availability for young people to buy black market
22 cigarettes since there wouldn't be any regulation.

1 No, I have no data.

2 DR. SAMET: Greg?

3 DR. CONNOLLY: In your presentation, you
4 referenced that menthol was being regulated for
5 characteristic purposes. According to the
6 science, "characteristic" refers to gustatory
7 responses, of which five are in nature.

8 If we allowed a menthol isomer to be sold
9 that would have the characteristic flavor of
10 menthol but removed its chemosensory properties on
11 smooth receptors, on impact receptors, would you
12 support allowing menthol to be sold as a
13 characteristic flavor?

14 DR. ROSS: I'm sorry, Dr. Connolly. I do
15 not understand your question.

16 DR. CONNOLLY: That's too bad.

17 DR. SAMET: Okay. I think I have no
18 other questions identified from the committee.

19 DR. ROSS: Would he like to rephrase that
20 in language I could possibly understand?

21 DR. SAMET: We'll move on to the next
22 presentation now.

1 DR. ROSS: Thank you.

2 DR. SAMET: Thank you.

3 The next presentation is by Bruce
4 Levinson from the Center for Regulatory
5 Effectiveness. Go ahead, please.

6 MR. LEVINSON: Thank you. I'm Bruce
7 Levinson with the Center for Regulatory
8 Effectiveness. We are a regulatory watchdog that
9 works to ensure federal agency compliance with the
10 good government laws that regulate the regulatory
11 process. We receive funding from virtually every
12 business sector, including the tobacco industry.

13 The first of the two issues I'm going to
14 discuss today is one of those good government
15 laws, the Data Quality Act. In an exemplary
16 demonstration of the seriousness with which the
17 FDA takes their data quality responsibilities, the
18 agency provided us with a substantive interim
19 response to our request for correction of certain
20 information that was presented to the TPSAC
21 regarding menthol cigarettes.

22 In their response, the FDA stated that

1 our petition is under review, that additional time
2 is required to complete their response, and set
3 January 18, 2011 as the target date to complete
4 their work. CRE appreciates the time and
5 attention that the FDA is giving our petition.
6 CRE also requests that the TPSAC defer any
7 decisions regarding the menthol issue until the
8 FDA has completed their work on our data quality
9 petition.

10 The second issue I'd like to discuss is
11 contraband cigarettes, and the TPSAC is required
12 to consider the impact a contemplated menthol ban
13 would have on the contraband market. Section
14 907(b)(2) of the Family Smoking Prevention and
15 Tobacco Control Act requires HHS to consider
16 "information concerning the countervailing effects
17 of the tobacco product standard on the health of
18 adolescent tobacco users, adult tobacco users, or
19 non-tobacco users, such as the creation of a
20 significant demand for contraband or other tobacco
21 products that do not meet the requirements of this
22 chapter, and the significance of such demand."

1 Section 907(e), which is specific to
2 menthol, states that, "The Tobacco Products
3 Scientific Advisory Committee shall address the
4 considerations listed" in the subsection I just
5 mentioned, [b].

6 To help inform the committee's
7 deliberation, the Center for Regulatory
8 Effectiveness is preparing a major study
9 discussing how a menthol band would likely affect
10 the contraband cigarette trade, the impact of the
11 trade on underage smoking, and the health of adult
12 smokers and nonsmokers.

13 Another important source of information
14 this committee should consider is the Bureau of
15 Alcohol, Tobacco, Firearms, and Explosives, ATF,
16 part of the Department of Justice. ATF is the
17 federal agency with primary statutory
18 responsibility for combating the illegal cigarette
19 trade under the Contraband Cigarette Trafficking
20 Act.

21 ATF has substantial information and
22 expertise regarding contraband cigarettes. CRE

1 recently provided comments in support of an ATF
2 Notice of Proposed Rulemaking on contraband
3 cigarettes. Our comments are available on our
4 TPSAC interactive public docket.

5 The following three ATF statements from
6 their Notice of Proposed Rulemaking are directly
7 on point with respect to the issues that this
8 committee is statutorily directed to consider, and
9 these are just quotes from the ATF in the Federal
10 Register.

11 "Contraband cigarettes are more likely to
12 be sold to underage persons than legitimate
13 product."

14 "The trafficking in counterfeit and
15 contraband tobacco products also poses a serious
16 health risk to our society. There are no
17 standards of production in the counterfeit market.
18 This allows for such things as biological or
19 chemical contamination of the product."

20 "The legislative history of the CCTA and
21 ATF's investigative efforts over the years have
22 established that organized crime has been involved

1 in the diversion of legal tobacco products into
2 the illegal market. Moreover, several
3 investigations by ATF and its law enforcement
4 partners have established links to international
5 terrorist groups, including Hezbollah and al
6 Qaeda."

7 Increased youth access to tobacco
8 cigarettes that pose increased health hazards and
9 financing of international criminal gangs -- those
10 are all issues that the TPSAC needs to weigh when
11 considering a ban on menthol cigarettes. In
12 addition to considering our forthcoming contraband
13 paper, I would encourage you to invite ATF to
14 brief this committee on the potential impacts a
15 menthol cigarette ban would have on the contraband
16 market and the public. Thank you.

17 DR. SAMET: Thank you for your
18 presentation.

19 Questions or comments from the committee?
20 [No response.]

21 DR. SAMET: Okay. Thank you very much.
22 There are no questions.

1 MR. LEVINSON: Thank you.

2 DR. SAMET: We'll move on, then, to Lyle
3 Beckwith with the National Association of
4 Convenience Stores. Go ahead, please.

5 MR. BECKWITH: Thanks very much. I'm
6 Lyle Beckwith, the senior vice president of
7 government relations for the National Association
8 of Convenience Stores, otherwise known as NACS.
9 NACS is an international trade association
10 representing more than 2,200 retail company
11 members.

12 The U.S. convenience store industry, with
13 some 145,000 stores across the United States,
14 posts approximately \$624 billion in total sales on
15 an annual basis. More than 70 percent of our
16 total membership are companies that operate 10
17 stores or fewer, and over 60 percent are owned and
18 operated by someone who only has one store.

19 The number one in-store item for the
20 industry is, by far, tobacco products. This is
21 one of the most regulated products that this
22 industry sells. As a result, NACS has played a

1 prominent role in the development of United States
2 tobacco policy for the past two decades. Its
3 membership has a deeply vested interest in the
4 outcome of the policy choices that FDA makes.

5 NACS appreciates that the FDA and TPSAC
6 are under a direct statutory mandate to review and
7 evaluate safety, dependence, and health issues
8 relating to tobacco products. In its work in this
9 regard on menthol, however, TPSAC must consider
10 the practical, real world consequences that a ban
11 on menthol would have.

12 Now, one of the advantages or
13 disadvantages of going number five in a six-person
14 panel is a lot of what I was going to say has been
15 said or referenced already. So at this point, I'm
16 going to throw away my prepared statement and just
17 address a few of the points that we heard.

18 There is a black market in tobacco today
19 in this country. I hope there's no debate about
20 that. I have spent 15 years professionally
21 working on legislation trying to close what we
22 refer to as the Native American loophole, tobacco

1 being sold originally out of brick and mortar
2 stores on Native American reservations, and then
3 as the Internet became more and more prolific, the
4 issue became mail order tobacco sales as well.

5 Members of Congress didn't really pay
6 attention much because there were only certain
7 areas that were affected by the brick and mortar
8 stores; pockets of New York, Arizona, New Mexico,
9 Oklahoma, Washington state were some of the
10 problem areas. And so when you went to members of
11 Congress who weren't in those areas, it was very
12 difficult to get them engaged to take on the
13 Native American lobby, and so we didn't get very
14 far.

15 As the Internet got more and more
16 expansive, people started buying more and more
17 tobacco over the Internet. And my standard
18 analysis was, the reason a person went onto the
19 Internet to buy tobacco was for three reasons, two
20 of which were bad.

21 The first reason they went to buy tobacco
22 on the Internet was because there was a brand that

1 they wanted to purchase that they didn't have
2 access to. You live in the middle of Montana
3 someplace and you had a strange brand of cigarette
4 you smoked. That's a legitimate use of going on
5 the Internet.

6 The other two reasons were you went on to
7 avoid taxes or you went on the Internet to avoid
8 age. And the black market that exists today in
9 this country exists because people either want to
10 avoid tax laws or they want to avoid age laws.

11 Our membership collects and remits taxes
12 on all the cigarette transactions that go on in
13 their stores, and we engage heavily in training of
14 our employees to assure age verification. In
15 addition to my role at NACS, I've been on the
16 board of directors of the We Card Coalition for
17 the past 10 years, and NACS was a founding member
18 of We Card.

19 I would also point out that since its
20 inception, We Card -- in tracking the Synar rates
21 when there was a 40 percent noncompliance, that
22 rate now, since We Card has been initiated, has

1 been cut down to 10 percent, with a steady
2 decrease every year. The retailers take their
3 responsibility -- responsible retailers take the
4 responsibility of selling age-restricted products
5 very, very seriously.

6 Nevertheless, getting back to the black
7 market, I'm not an economist. I'm not a
8 statistician. I'm not a physician. I'm just
9 someone who works with Congress and deals with the
10 retail community, my constituency. And common
11 sense will tell you that if there is a market that
12 exists for an existing product, if it's made
13 illegal, some portion of that market will go to
14 the black market.

15 There is already a black market, as I
16 said, but that is basically -- nothing has been
17 banned, so everything that is in the black market
18 today is because of price. I firmly believe that
19 if there were to be a ban on menthol, that would
20 be the spark that the black market in tobacco
21 needs to push it into a more burgeoning problem
22 for our country.

1 My membership loses sales when people go
2 to the black market. In upstate New York, when
3 there's temporary ban placed on reservation sales,
4 the corresponding outlying convenience store sales
5 in tobacco spike 50 percent.

6 There's already been talk about Canada.
7 My counterpart from the Canadian Convenience Store
8 Association, Dave Bryans, issued a warning to us.
9 He said, "This is a cautionary tale for the United
10 States. The government's inability to curb illicit
11 tobacco is going against public health policies.
12 Our studies concluded that those under 19 who are
13 prohibited from purchasing cigarettes have no
14 trouble getting their hands on cheap, illegal
15 cigarettes."

16 Clearly, people who are denied the
17 opportunity to purchase their cigarette of choice,
18 if it happens to be menthol, are going to -- some
19 portion of them are going to seek out the
20 opportunity to buy them elsewhere. And the people
21 who will be selling mentholated tobacco out of
22 their trunks are not just going to sell menthol

1 tobacco. They're also going to sell Marlboros.
2 They're also going to sell fake Marlboros from
3 China.

4 Who knows what else they're going to
5 sell? Once you're breaking the law, you're
6 breaking the law to make some money, you're going
7 to sell anything you can out of the trunk. I've
8 never sent a We Card training kit to someone
9 selling tobacco out of their trunks. The black
10 market does not check for ID.

11 So, in conclusion, I just want to say
12 that I'm astounded that there might be a debate
13 about whether or not there's going to be a black
14 market for menthol should it be banned. I just
15 find that to be ludicrous. Of course there's
16 going to be. There already is a black market.

17 I would also point out that that black
18 market exists right now strictly on Price Point.
19 And I would disagree with those who have spoken
20 earlier to suggest that a black market in menthol
21 would lead to a higher price for menthol.

22 Indeed, I would project that the menthol,

1 as all the other products sold in the black
2 market, in the tobacco black market, would be
3 priced well below what the rate is in a
4 traditional store like one of my members because
5 the high tax rate wouldn't be factored into the
6 equation. So what we would have is the ability to
7 buy -- a much more broad infrastructure of black
8 market being established, which would then allow
9 that black market, where it doesn't currently
10 exist, to come in, establish itself, and sell
11 products well beyond the menthol that got it
12 started.

13 So with that, I'll conclude, and I will
14 be happy to answer any questions, although I don't
15 have statistics. I don't have a study behind me.
16 I can reference some of the studies with which I'm
17 familiar, such as the Canadian Convenience Store
18 Association study, where they actually went and
19 picked up cigarette butts around high schools and
20 concluded that those cigarettes, more than 50
21 percent of them came from Native American
22 reservations. They weren't even the brands that

1 you can buy in a convenience store. They were
2 Native American brands.

3 So happy to answer questions.

4 DR. SAMET: Thank you for your
5 presentation.

6 Let's see. Questions. Greg?

7 DR. CONNOLLY: I was intrigued by your
8 statement that tobacco is one of the most
9 regulated products in America.

10 MR. BECKWITH: Oh, in our stores, sir.
11 If I said that, I misspoke; in our stores.

12 DR. CONNOLLY: Okay, in your stores.
13 Now, I might say in your stores, products sold in
14 your stores are regulated by the Federal Consumer
15 Protection Act, by the Federal Controlled
16 Substances Act, by the Federal Toxic Substances
17 Act, and by the Federal Consumer Products Safety
18 Act. But all those laws have exempted tobacco.
19 So when you make the statement it's the most
20 regulated product for your stores, I find that
21 hard to believe, given the fact that five other
22 federal statutes are regulating products sold in

1 your stores.

2 MR. BECKWITH: Well, again, I'm talking
3 about this from a perspective of the store owner.
4 Store owners don't have regular stings being done
5 in their stores checking to make sure they're
6 selling the baked beans that are not expired. I
7 mean, our focus on regulatory compliance within
8 the store -- perhaps I misspoke in the way I
9 presented it. But the focus of a store owner in
10 terms of complying with regulatory compliance
11 inside the store is predominately tobacco because
12 that is where they get the most enforcement from -
13 - up until now has been from the state, and now it
14 will be through the FDA. But that is where they
15 receive the greatest amount of enforcement
16 activity.

17 DR. CONNOLLY: Okay. Just my
18 observation, and I'm congratulating your stores
19 for doing such a good job in complying with other
20 federal statutes that have exempted tobacco.
21 There's finally a federal statute that's
22 addressing tobacco, and I'm sure your stores will

1 do an equally good job. Thank you.

2 MR. BECKWITH: Thank you.

3 DR. SAMET: Thank you, and I don't think
4 I note any other questioners. So thank you for
5 your presentation. We'll move on to the sixth.
6 We do have a seventh presentation; I misspoke
7 earlier.

8 So our next presenter is Gary Giovino
9 from the School of Public Health and Health
10 Professions University at Buffalo. Gary.

11 DR. GIOVINO: Thank you all. I don't
12 have slides up yet, but I will introduce myself.
13 I have no relevant financial relationships to
14 disclose. The analyses I'm about to report were
15 supported by the American Legacy Foundation -- I
16 thank them for that -- and were done in
17 conjunction with Biostatistics, Incorporated.
18 Paul Mowery is the principal.

19 I'm going to talk about patterns of and
20 recent trends in the use of mentholated
21 cigarettes. I'm going to go real fast because I
22 have a lot of information to share.

1 I do study consequences, patterns, and
2 determinants of tobacco use in individual and
3 policy-level strategies to reduce use. I was
4 involved in studying menthol cigarettes in the
5 early '80s in a clinic population, and I noticed
6 that African Americans were more likely to smoke,
7 and I noticed that advertisements in African
8 American magazines were more likely for menthol.

9 In the '90s, while in the federal
10 government, I studied Joe Camel and the emergence
11 of Camel in the adolescent market. And in the
12 mid-2000's, I documented an age gradient for
13 flavored cigarettes.

14 So mentholated cigarettes are at least as
15 dangerous as their non-mentholated varieties, and
16 there are concerns about menthol sweetening the
17 poison. The analyses I will do here will try to
18 clarify some things that I thought were presented
19 in a confusing way at the June meeting.

20 First, I'll look for an age gradient,
21 using data from the combined 2004 to 2008 National
22 Surveys on Drug Use and Health; and then our study

1 switching, using data from a cohort study we did,
2 the 2003 to 2005 National Youth Smoking Cessation
3 Survey; and then we'll look at individual data
4 from 2004 to 2008 in NSDUH to look at trends in
5 youth of mentholated and non-mentholated
6 cigarettes in the population as a whole. That's
7 the adolescent and young adult population.

8 I'm going to go fast through the slides
9 about NSDUH. It is an annual household survey of
10 the civilian, non-institutionalized population age
11 12 and older. In the 1970s, '80s, and '90s, it
12 was called the National Household Survey on Drug
13 Abuse. There was a major redesign in '99. The
14 sample size was increased to about 70,000 a year.
15 The data collection was switched from paper and
16 pencil interviewing to audio computer-assisted
17 self-interviewing. In 2001 and '2, there were
18 some major changes made, and the menthol question
19 has been consistent since 2004.

20 Again, it's civilian, non-
21 institutionalized population. The response rates
22 are in the 66 percent range, which is good these

1 days. And there's over-sampling of 12- to 17-
2 year-olds and 18- to 25-year-olds, so a third of
3 the sample is 12- to 17-year-olds, a third is 18-
4 to 25-year-olds, and a third is 26 and older.

5 There is some incentivizing that's done.
6 There's some very detailed methods used to
7 maximize response rate and to ensure privacy. And
8 it measures lots of things, including alcohol,
9 tobacco, and illicit drugs.

10 Tobacco is the first substance measured
11 on the survey, and I need to walk you through a
12 little bit of how it's measured. Again, this is a
13 screen that the respondent would see, and it's
14 basically saying, the next questions are about use
15 of tobacco products. This includes cigarettes,
16 chewing tobacco, snuff, cigars, pipe tobacco.

17 The first questions are about cigarettes
18 only. Then as respondent enters, "Have you ever
19 smoked all or part of a cigarette?", if the person
20 says yes, they're asked about the first time they
21 smoked part of a cigarette.

22 Then it says, "Now think about the last

1 30 days," that is, from October 14th -- there's a
2 fill for 30 days previously, up to and including
3 today. "During the last 30 days, have you smoked
4 part or all of a cigarette?" If the person says
5 yes, they're asked about the number of days they
6 smoked and they're asked about the number of
7 cigarettes they smoke per day.

8 They're also asked the following: "The
9 next questions are about the brand of cigarettes
10 you smoke. The brand is the name that is on the
11 pack. During the past 30 days, what brand of
12 cigarettes did you smoke most often?" "Most
13 often" is bolded, and they're given a list of 25
14 of the leading brands.

15 They either check one of those list, in
16 which case they're sent to verify that, or they
17 say a brand not on this list, number 26 there. If
18 they say a brand not on this list, then they're
19 given 32 of some leading -- the next tier of
20 leading selling brands. If they say one of those
21 brands, then they go to a verification screen,
22 which I'll show in a minute. If they say a brand

1 not on this list, then they're asked to type in,
2 and I'll show you how that works.

3 So this now says, "The computer recorded
4 that during the past 30 days, the cigarette brand
5 you smoked most often was True." We just picked
6 True as an example. "Is this correct?" And the
7 person verifies it.

8 Ninety-six percent of people who said
9 they smoked in the last month gave one of the 57
10 brands that was listed and had their brand
11 verified. Four percent were asked to type in the
12 name of the brand of cigarettes they smoked most
13 often during the past 30 days, and they said,
14 don't worry about spelling.

15 Then they say, "During the past 30 days,
16 what type of True" -- again, they fill in "True,"
17 whatever brand the person smoked, "cigarettes that
18 you smoked most often," and they say lights,
19 ultra-lights, mediums, or full-flavored.

20 Then they say, "Were the" -- cig field,
21 True in this case -- "cigarettes you smoked most
22 often during the past 30 days menthol?" Ninety-

1 six percent of people who smoked in the past month
2 are asked this question. Four percent of people
3 who smoked in the past month are asked this
4 question: "Were the cigarettes you smoked during
5 the past 30 days menthol?" And again, I repeat,
6 96 percent and 4 percent.

7 The industry, at least Curtin and
8 colleagues, stated that this was the question that
9 was used on the NSDUH to assess menthol use. It
10 was not. It was a question asked of 4 percent of
11 people. And there seemed to be general confusion
12 in the industry's responses, and they seem to be
13 based on this misperception.

14 I'm also going to report some estimates
15 from the National Youth Smoking Cessation study.
16 It's a 24-month telephone study of smokers age 16
17 to 24 years. They smoked one or more cigarettes
18 in the past 30 days, 20 cigarettes in their
19 lifetime, at least. And then there was a baseline
20 survey and a 24-month survey. We had about a 69
21 percent response rate among age-eligible smokers
22 and households, and the data were weighted.

1 In that survey, at baseline in 24 months,
2 we said, "During the past 30 days, what brand of
3 cigarettes did you usually smoke, and is the brand
4 of cigarettes that you usually smoke menthol or
5 non-menthol?"

6 In terms of results, one thing we did do
7 was we used the menthol question, but then we used
8 data from the Nielsen -- the scanning data. And
9 if somebody's brand that they use was basically
10 exclusively menthol, like Newport, Kool, or Salem,
11 we coded them as smoking a menthol brand. And if
12 it was exclusively non-menthol, like Lucky Strike
13 or Winston, we coded them as smoking a non-menthol
14 brand.

15 So here you can see the first example of
16 an age gradient. This is, overall, everybody from
17 12 years and older. You see 12- to 17-year-olds
18 are more likely to smoke menthol than 18- to 25-
19 year-olds and then 26- to 34-year-olds, and it
20 seems to level off.

21 Among males and females, you see again
22 the age gradient for both, 12 to 17 higher than 18

1 to 25, higher than 26 to 34. For females, the 35-
2 to 49-year-old age group had a higher smoking
3 prevalence of menthol. That's likely due to brand
4 formulations and marketing that likely happened
5 anywhere from during their adolescence to the
6 current time. For males, you don't see that
7 increase in the 35- to 49-year-old group.

8 Now, if we looked at more precise age
9 categories, just focusing on 12- to 34-year-olds,
10 you see even when we get more precise, you see
11 this step-down age gradient, 12 to 15, 16 to 17,
12 18 to 21, 22 to 25, and 26 to 34.

13 Among racial/ethnic groups, again you see
14 the age gradient from 12 to 17, to 18 to 25, to 26
15 to 34 for non-Hispanic whites. For African
16 Americans, you see a tendency, but there's really
17 a ceiling effect going on there. For Asians and
18 for multiple races, 12- to 17-year-olds are more
19 likely to smoke menthols than any other age group,
20 and for Hispanics you see an age gradient from 12
21 to 17, to 26 to 34.

22 Again, when we get into more precise age

1 categories, again, for non-Hispanic whites and for
2 Hispanics, you see this step-down. For African
3 Americans, it's again a ceiling effect.

4 Now, the industry in the previous reports
5 thought that you can only really look at people
6 who smoke more than 10 days per month. I
7 disagree, and we looked at people who smoke less
8 than 10 days a month. You see an age gradient
9 again in both 12 to 17, more than 18 to 25, more
10 than 26 to 34. And again, you see it for the more
11 precise age categories. You also see an age
12 gradient for 1 to 5 days and 6 to 9 days.

13 We see more switching from menthol to
14 non-menthol in our switching study than we do from
15 non-menthol to menthol, although, again, most
16 people didn't switch. And the switching was
17 highest especially for whites and for college
18 grads.

19 Now, the key to me -- I mean, age
20 gradient matters and switching matters, but the
21 key is, what's the trend and prevalence? And you
22 see among 12- to 17-year-olds a more rapid decline

1 in prevalence in non-menthol smoking than in
2 menthol smoking. Menthol smoking was -- it was
3 not statistically different. But non-menthol
4 smoking dropped by about half a percentage point a
5 year. The same was true for males and females.
6 And then for 18- to 25-year-olds, the drop on non-
7 menthol smoking was a point and a half per year
8 versus menthol smoking, which actually went up but
9 it was not significant; same for males and
10 females.

11 So an age gradient does exist. Switching
12 is more common from menthol to non-menthol. And
13 the industry seems to be holding onto the menthol
14 market better than the non-menthol market.

15 Now, again, to correct the situation, the
16 NSDUH question assessing menthol use is based on
17 brand smoked most often. And the industry also
18 said that trends in the African American 12th
19 grader smoking has not declined in recent years,
20 and African Americans are more likely to smoke --
21 I'm sorry. The industry said that trends in
22 African American smoking declined in recent years,

1 and they smoke menthols, so why are you worried
2 about menthols?

3 But look at what happened in monitoring
4 the future in the last five years. African
5 American trends are flat compared to Hispanic and
6 white trends. And I think that goes against what
7 the industry was saying, and actually raises even
8 more the concern about menthol smoking.

9 Thank you very much.

10 DR. SAMET: Thank you, Gary. That was a
11 great deal of information. We're obviously going
12 to need to take a close look at it. But I think
13 some of our quick studies have questions for you.

14 Melanie?

15 DR. WAKEFIELD: Yes. Thanks, Dr.
16 Giovino, for your presentation and analysis. It
17 sounded very interesting and helpful.

18 Can you hear me okay?

19 DR. GIOVINO: I sure can.

20 DR. WAKEFIELD: Oh, good. I wanted to
21 just -- you noted that -- it's helpful, I think,
22 that you clarified some differences between the

1 different surveys that Dr. Curtin and colleagues
2 had presented in the previous meeting, and also
3 some differences in the age categories, and I
4 think that's helpful.

5 You pointed out that some of the analyses
6 that you've done were more powerful than the
7 method of Dr. Curtin and colleagues. Could you
8 just elaborate on that for us, please?

9 DR. GIOVINO: Oh, sure. Well, by
10 combining samples, we obviously increased the
11 sample size. We actually redid some analyses of
12 the 2007 data and saw an age gradient if you use
13 12 to 17 and 18 to 25, which of course are the age
14 years that the survey is designed to look at, but
15 even if you include all smokers.

16 I very much disagree that you have to
17 limit the sample to people who smoke 10 or more
18 days per month because a lot of the action is
19 going on in people who smoke fewer days per month.
20 And even in the 2007 survey, which is what they
21 presented, we saw an age gradient using their age
22 categories. So I'm not sure why they picked those

1 age cuts. But even again, when we picked the more
2 precise age cuts, we saw it.

3 They also used the NHANES survey, but
4 there were like 80 smokers in the 12- to 17-year-
5 old age group in the NHANES survey. So
6 considering that survey the same as the NSDUH
7 survey, I think, is disingenuous.

8 DR. SAMET: Greg?

9 DR. WAKEFIELD: Right. Thank you. I
10 just have one more question, which is relating to
11 the cohort study of brand switching. I had
12 noticed that here you're finding that more people
13 are switching from menthol at follow-up than
14 switching from non-menthol to menthol, if that's
15 my understanding of it.

16 You looked at the data by age category,
17 and some of the individual confidence intervals
18 overlap there. But my guess is that, overall,
19 that's a kind of linear decline with age, that
20 tendency of switching from menthol to non-menthol.

21 DR. GIOVINO: So now you're talking about
22 the age at baseline data, Melanie?

1 DR. WAKEFIELD: Yes. So this is in my
2 handout, table 3.

3 DR. GIOVINO: Yes. I didn't try to find
4 a linear trend there. Really, the data really
5 struck out just for the education group and for
6 white non-Hispanics.

7 DR. WAKEFIELD: All right.

8 DR. GIOVINO: You're right. The
9 confidence intervals do overlap in the age groups.

10 DR. WAKEFIELD: Yes. But it does look
11 kind of suggestive to me as a linear decline.
12 Thank you.

13 DR. GIOVINO: We can test for that, and
14 we'd be happy to do that and report back.

15 DR. SAMET: We have a lot of people with
16 their hands up, if you will, and limited time with
17 another presenter. So remember that as you ask
18 questions, please.

19 Greg?

20 DR. CONNOLLY: Gary, excellent, and the
21 more information you can provide backing up the
22 data presented to the committee, the better.

1 Gary, you did speak about the collection
2 of data about brands, but you did not break that
3 out on your presentation. If you collapse that
4 2004 to 2008, which brand is smoked most
5 predominately by 12- through 18-year-olds?

6 DR. GIOVINO: Which brand?

7 DR. CONNOLLY: Yes.

8 DR. GIOVINO: You don't mean menthol
9 brand; you mean which --

10 DR. CONNOLLY: No. Which menthol brand
11 is most popular among the young --

12 DR. GIOVINO: Newport. Newport is most
13 common. Marlboro Menthol was second.

14 DR. CONNOLLY: Then among the older
15 cohorts over age 35, which is the most popular
16 brand?

17 DR. GIOVINO: I actually didn't look at
18 that because I was focusing on kids, but -- I
19 can't tell you.

20 DR. CONNOLLY: I think, if you're looking
21 at that, it's Kool. Do you think there's a
22 correlation --

1 DR. GIOVINO: Yes. Yes, it would be
2 Kool, Greg.

3 DR. CONNOLLY: -- in the fact that
4 Newport has a level of menthol that's about 70
5 percent lower than that of Kool and the
6 attractiveness of the product to young people?

7 DR. GIOVINO: Yes. I'm familiar that
8 they try to limit menthol to appeal to young
9 people, consistent with the paper by Cummings, et
10 al. and actually Crestlake, et al., showing how
11 they can formulate to appeal to taste
12 sensitivities of young people.

13 DR. CONNOLLY: Thank you.

14 DR. SAMET: Jack?

15 DR. HENNINGFIELD: Gary, it's refreshing
16 to have a strong data presentation. I hope that
17 we'll be able to get much more detail than this in
18 preparing the reports.

19 One thing I love your comment on, the
20 menthol effect that appears particularly strong in
21 young people looks similar to the effect that you
22 helped document in the '90s with starter smokeless

1 tobacco products, where the lower dose products
2 designated starters by the industry were more
3 likely to be taken up, but then there was
4 switching away, more likely to be switched away
5 from rather than to. And that was part of the
6 basis for documenting the starter effect.

7 It looks to me, on the basis of your
8 data, that menthol is not only just an entree to
9 menthol cigarette smoking but to cigarette smoking
10 in general. And I wonder what you feel about that
11 analogy. Are menthols appropriately categorized a
12 starter tobacco product?

13 DR. GIOVINO: From the data, I think it's
14 very reasonable. Certainly, the NSDUH short
15 report and Jim Hersey's first study are consistent
16 with that. Certainly the age gradient is
17 consistent with that. And what you're saying is
18 consistent with that, with brand formulation.

19 Certainly, my own experience is
20 consistent with that, if I may venture that, that
21 I experimented with a lot of cigarettes. And the
22 only cigarettes I would let myself smoke were

1 mentholated, and actually light -- Kool Milds is
2 what I smoked because I didn't -- I thought I was
3 harm reducing, and, of course, I was foolish.

4 But anyhow, I think what you're saying,
5 Jack, is very consistent.

6 DR. SAMET: John? Let's see. John
7 Lauterbach? John? Have we lost John?

8 [No response.]

9 DR. SAMET: All right. We'll go on.
10 Neal?

11 DR. BENOWITZ: Thanks for your comment,
12 Gary. That was really very informative.

13 I want to just follow up with a couple
14 questions about the age gradient. There are two
15 (inaudible) for age gradient; one is the switching
16 and one is the quitting. And I think it's
17 important for us to understand.

18 Were you able to do any sort of
19 quantitative analysis to see if you could explain
20 all the age gradient by switching as opposed to
21 quitting?

22 DR. GIOVINO: It's a good question, Neal.

1 But I haven't done that, and I honestly don't
2 know. You'd have to make a lot of assumptions to
3 do that with cross-sectional data.

4 DR. SAMET: Let's see. Let me go back.
5 We had lost John Lauterbach.

6 John, are you on? You had a question
7 before then.

8 DR. LAUTERBACH: Can you hear me now,
9 Dr. Samet?

10 DR. SAMET: Yes. Yes, now we can.

11 DR. LAUTERBACH: The question I had for
12 Dr. Giovino was with the FDA's effort to
13 essentially eliminate underage smoking, underage
14 teen smoking, how does he expect the data trends
15 to go over the next few years?

16 DR. GIOVINO: I certainly expect -- well,
17 I think what you're asking is, do I think the
18 FDA's efforts will contribute to the continuing
19 reduction in smoking by adolescents. I think that
20 if you're asking me if banning menthol will
21 contribute to that, I think it likely will. But
22 again, that's speculation.

1 I think what the FDA is doing should be
2 part of a comprehensive tobacco control program.
3 You know, the states are cutting back on their
4 funding, and they should actually be increasing
5 their funding, given all the resources they have
6 available.

7 But I think the FDA certainly can play a
8 role in educating the American public, certainly
9 with the Secretary's strategic initiative. Young
10 people do need to be educated, certainly with
11 increasing in warning labels and with regulating
12 the product in ways that make the product less
13 appealing. I think the most harm-reducing product
14 is one that's not smoked.

15 So I would hope that prevalence of
16 smoking among young people continues to decline at
17 least as rapidly, if not more rapidly, than it has
18 been.

19 DR. LAUTERBACH: That was not -- you
20 didn't answer the question I asked.

21 DR. GIOVINO: I'm sorry. Then I didn't
22 understand it. Could you repeat -- could you try

1 to clarify for me?

2 DR. LAUTERBACH: Okay. The question is,
3 if there are no more starters or current use
4 starters under the age of 18, will all the
5 starting smokers be smoking -- will they start
6 smoking in later years versus younger years? How
7 will your data change?

8 DR. GIOVINO: Okay. Can you -- it's
9 really breaking up here. I don't think I -- could
10 you say that one more time?

11 DR. SAMET: I think, Gary, let me -- I'll
12 paraphrase. I think the question is that John
13 sees the number of starter smokers under age 18 as
14 declining, and what are the implications of this
15 decline around -- I guess your surmise is about
16 the role of menthol cigarettes.

17 DR. GIOVINO: Okay. So if mentholated
18 cigarettes were to go away? I hope I'm not --

19 DR. LAUTERBACH: No. If you just have
20 very few people starting under the age of 18. You
21 have a lot of data there for 12 to 17, which given
22 the FDA rule, those starters in the future

1 shouldn't be there.

2 DR. GIOVINO: Does anybody up front
3 understand? Because it's really --

4 DR. SAMET: Well, Gary, I think
5 actually -- perhaps we won't spend time on this.
6 I think we'll communicate with you more directly
7 about this. We're about to run out of time.

8 DR. GIOVINO: Okay. I'm sorry, sir.
9 It's breaking up.

10 DR. SAMET: Well, thank you. Thank you
11 for your presentation, and we'll be studying the
12 slides in more detail.

13 DR. GIOVINO: Thank you very much.

14 DR. SAMET: Our next presenter is Mike
15 Little from the National Black Chamber of
16 Commerce. Go ahead, please.

17 MR. LITTLE: Good afternoon, and thank
18 you for allowing me the opportunity to speak. I
19 actually wanted to clarify that I signed up as an
20 individual, but I did serve as the past chair of
21 the National Black Chamber of Commerce for six
22 years and became aware of this issue during that

1 time, and developed some different concerns that
2 are a little bit different perspective than some
3 of those we've heard this afternoon.

4 I have no relevant financial information
5 to disclose. As I said, I am the past chair of
6 the National Black Chamber of Commerce board of
7 directors. I currently serve on the Maryland
8 Chamber of Commerce board of directors, and I'm a
9 lifetime member of the NAACP.

10 First I'd like to say that I'm pleased to
11 hear there is so much focus within this hearing
12 being given to the health as it relates to African
13 Americans and those specific dynamics. Many of
14 the things have been said here in a number of ways
15 today, so I'd like to kind of just cut to what my
16 primary concern is.

17 There are a lot of things that are unique
18 to African American communities, much of it
19 related to levels of income, education levels.
20 And in this case, as we talk about banning,
21 potentially, menthol as it relates to cigarettes,
22 I believe and recognize that it's true, and from

1 the statistics, that it is a cigarette of choice
2 of African Americans.

3 The part that seems uncomfortable for me
4 is the fact that certainly I believe and think
5 that there are many indicators that would indicate
6 that if people who want to smoke don't have
7 menthol cigarettes to smoke, that they will smoke
8 non-menthol cigarettes.

9 So the emphasis that's being put on this
10 issue as it relates to African Americans
11 specifically seems to leave out a number of other
12 issues, as if this is an item for the health of
13 African Americans. And to me, it seems more one
14 that may closely map to those that are generating
15 revenue from menthol cigarettes versus those who
16 generate revenue from non-menthol cigarettes.

17 As a former smoker, I believe that all
18 cigarettes are bad, and I would certainly support
19 a total ban of cigarette smoking. But I think to
20 isolate something that hasn't been demonstrated or
21 identified as having specific harmful effects, to
22 include African Americans as being a specific

1 target area as it relates to this issue almost
2 feels as if it's a form of corporate
3 discrimination to me.

4 So I would ask, in looking at the history
5 of this item -- and I was involved to some degree
6 and did have some conversations with Congress, and
7 particularly the Black Caucus, as this item was
8 discussed over the last few years, in fact -- that
9 I think that if African Americans, like all other
10 residents of our community, don't want to smoke,
11 if they're not allowed to smoke menthol
12 cigarettes, if they choose to smoke, they'll
13 simply smoke other brands.

14 So I think that there certainly seems to
15 be some business implications associated with the
16 banning of menthol. I would be glad to come back
17 if the agency would like to have support in
18 banning all cigarettes. But if cigarettes are
19 going to be illegal, I don't think that race
20 should ever be used to differentiate and give
21 advantage to some cigarette makers as opposed to
22 others. Thank you very much.

1 DR. SAMET: Thank you for your comments.
2 Comments or questions from the committee?

3 [No response.]

4 MR. LITTLE: Thank you.

5 **Committee Discussion**

6 DR. SAMET: I guess not. Thank you.

7 This does conclude the open public
8 hearing portion of this meeting, and we will no
9 longer take comments from the audience.

10 The committee will now turn its attention
11 to address the task at hand, the careful
12 consideration of the data before the committee as
13 well as the public comments. I would like to
14 thank the public commenters for your input. We
15 value the assistance that you provide.

16 We now, according to the schedule, are
17 roughly about to run out. There's a conflict
18 between real time and what's on the agenda for
19 discussion. We've covered a lot of territory and
20 maybe are reaching roughly the limits of what
21 people can tolerate in terms of a web-based
22 conference meeting.

1 But let us sort of recap for a moment
2 what we've done today. And I think we began,
3 really, with an updating from Corinne on where we
4 are with a number of things; from myself on the
5 report, the menthol report writing, and I think
6 the discussion there was useful. There are a lot
7 of items that we're going to be taking on in the
8 now less than two months till our next meeting.

9 The RTI presentation showed us 11
10 projects that are in motion, along with the
11 analysis of the Nielsen data. And I think there
12 will be results here that will be relevant if they
13 arrive in a sufficiently timely way for all of the
14 writing groups. And, again, I think in the public
15 hearing that we've just completed, we've heard
16 about results and findings that will be of
17 interest to the committee.

18 The major task ahead of us, of course, is
19 now the one of examining all this information and
20 synthesizing it, looking to January when we come
21 back --

22 AUTOMATED VOICE: Our recorder is now

1 joining.

2 DR. SAMET: Okay; seems a little late,
3 but --

4 [Laughter.]

5 DR. SAMET: Anyway, in any case, the task
6 at hand now is really to get the writing job done
7 in our groups before the January 10th-11th
8 meeting.

9 So let me see if there are general
10 comments at this point. And let me ask one other
11 thing. Maybe this is to Caryn Cohen. The time of
12 our meeting, we can go over a little bit, or do we
13 turn into pumpkins, or what happens?

14 MS. COHEN: You can go as late as you
15 feel that you need to.

16 DR. SAMET: So we can go on for a while.
17 I know some of you -- it's still 2:00 here and I
18 have much scheduled, so I can't go on too long
19 myself. But let's see what else people may want
20 to bring up.

21 Greg?

22 DR. CONNOLLY: Could we e-mail comments

1 to Caryn, Jon, on questions number 1 and 2 and
2 then just circulate them among the group rather
3 than try to get into a discussion now? Because I
4 do think it's -- I think we've got to read these
5 things and provide you some comments and some
6 thought, and I think trying to walk through these
7 at this point in time may not be as productive.
8 And that's up to the prerogative of the chair.

9 DR. SAMET: Right. We've had some
10 discussion about all this, the questions already.

11 DR. HUSTEN: Yes. Regarding --

12 DR. SAMET: We actually have discussed
13 number 2 to a substantial extent at our last
14 meeting.

15 Caryn -- I guess either Karen, C or K --

16 DR. HUSTEN: This is --

17 DR. SAMET: -- in terms of process, if
18 there are additional comments on the questions,
19 the individual -- Greg, I think you're referring
20 to the individual level, the population level
21 questions.

22 DR. CONNOLLY: No. I just have a lot of

1 editorial comments that aren't big on --

2 DR. SAMET: Oh, yeah. I would suggest
3 the editorial thing --

4 DR. CONNOLLY: You know, I think what I
5 stressed is that we try to stick to the law as
6 closely as possible on population effects, take
7 into account toxicity. The model, I think we all
8 commented on it, thought it was good, but it
9 needed some tweaking. And those are my general
10 comments. But I think the wordsmithing is
11 necessary.

12 But one other point I would make is in
13 chapter 1 at the very beginning, you sort of set
14 up that we're in a precedent-setting mode here.
15 I'm not sure if we want to make that explicit
16 statement. We are really young in the process
17 here and this is our first shot. And maybe we
18 want to sort of keep open future questions we may
19 face, whether they be modified risk --

20 DR. SAMET: So let me suggest that it's
21 probably premature to start commenting on
22 particular drafts at this point --

1 DR. HUSTEN: Jonathan?

2 DR. SAMET: -- in this venue. I don't
3 think that's the right place to do it. But there
4 will be opportunities to do so.

5 DR. HUSTEN: Jonathan? This is Corinne.

6 DR. SAMET: Yes?

7 DR. HUSTEN: I just want to point out to
8 the committee that the next meeting, we're asking
9 them to come back with their analyses of the
10 strength of evidence. And so I just think it's
11 important that the questions to the committee for
12 this meeting be discussed and agreed upon so that
13 the work groups know their charge and everybody's
14 clear about what they're supposed to be doing and
15 there's agreement about what they're supposed to
16 be doing.

17 So I just -- there won't be a lot of
18 opportunity to come back and change it because at
19 the next meeting, the groups are expected to
20 report out on levels of evidence.

21 DR. SAMET: So let me make the
22 suggestion -- and again, we're going to have to do

1 this relatively briefly -- that we go back to the
2 slides I used, which were really slides that came
3 out of our last meeting, and I think probably
4 just, I would say, reaffirm that everybody
5 understands the approach.

6 So move away from the model because we'll
7 start tinkering with it immediately, and go down
8 to the slide -- oh, I guess I can do it. Sorry.
9 Let me take this down.

10 So the proposed approach slide, this one,
11 I mean, which essentially says we're going to be
12 systemic in our review processes and have
13 described evidence synthesis approach and classify
14 the strength of evidence. And then what follows
15 is the statement that we're going to identify the
16 sources of evidence used and we're going to say
17 how we explored them to identify particular
18 studies or documents or surveys. And to the
19 extent that we don't try and be fully systematic -
20 - I mean, for example, the industry documents --
21 we described how we focused, and certainly our
22 last round of presentations from the UCSF group

1 described how they -- what they went after in the
2 face of a broad universe of potential documents.

3 It talks about how we're going to
4 evaluate the evidence, how much there is, the
5 strengths and weaknesses of it, and particularly
6 the key studies. We're going to classify the
7 strength of evidence, and the way we're going to
8 do that was here. And we had extensive discussion
9 about that at our last meeting.

10 Then this last item, which is on the use
11 of one or more models to assess impact, there
12 would be some conceptual framework relating back
13 to a figure like the one that we've already
14 discussed today, and perhaps a quantitative
15 representation of that figure and those
16 relationships so that we can make some sort of
17 quantitative or semi-quantitative estimates of
18 impact. And we've noted that there are a number
19 of different indicators of impact that might be
20 used.

21 So I think that goes back -- if we were
22 to, not yet, but go back to those two questions

1 that were sitting there, that's essentially what
2 they say, that we still like the process by which
3 we said we were going to write the report.

4 So let's see. We have hands up. I'm
5 going to go backwards. Melanie?

6 DR. WAKEFIELD: Thank you, Jon. Just for
7 some clarification because I'm a bit of a
8 latecomer to this particular process, my
9 understanding from reading the transcripts of past
10 meetings is that chapters 1 and 2 were going to be
11 fast-tracked. And so my sense is they could be
12 available a little earlier to those of us who are
13 writing some of the other chapters. Correct me if
14 wrong.

15 DR. SAMET: That's absolutely correct,
16 the goal, yes.

17 DR. WAKEFIELD: Okay. And then the
18 second question I have is really about the
19 different types of evidence that there are, so
20 balancing peer-reviewed evidence versus non-peer-
21 reviewed evidence. What would be your suggestions
22 about that?

1 DR. SAMET: Yes. I mean, I sort of
2 alluded to that earlier as well. I think that
3 peer review is one bar, of course, of evidence
4 evaluation. I think that we as a committee really
5 have the obligation to be rigorous in our review
6 of all of the evidence, whether quote "peer-
7 reviewed" or submitted to the committee or based
8 on analysis of survey data by perhaps RTI.

9 I think we will have to carefully
10 evaluate all lines of evidence. And I think you
11 allude to one of our challenges. We're looking at
12 lots of different kinds of evidence.

13 DR. WAKEFIELD: Right.

14 DR. SAMET: And I think, for example, if
15 we're looking at survey data, I think we heard
16 Gary today offering a different, I guess, view and
17 analysis of the survey data, something we had seen
18 analyzed by the industry. And I think there, for
19 example, to understand the differences, we need to
20 go back and look at the documentation ourselves.

21 So I think the burden is on us to make
22 certain that -- and particularly given what you

1 allude to, that there are different kinds of
2 evidence -- we have this well sorted out ourselves
3 for the writing groups. And I think particularly
4 we don't have the time, the energy, I don't think,
5 or we just don't have enough people to do a
6 standardized, systematic review of every study
7 that might be considered. But certainly those key
8 studies need careful consideration. And I think
9 your point about the different kinds of evidence
10 is probably something that should go into chapters
11 1 and 2.

12 DR. WAKEFIELD: Right. Yes. I think so,
13 too. That would be helpful.

14 Then just my final comment, really, is
15 although our report is about menthol, there is an
16 awful lot we know about tobacco use and marketing
17 more generally of tobacco that kind of forms a
18 framework, if you like, for understanding some
19 more specific evidence about menthol.

20 So when we're thinking about the chapter
21 relating to marketing, there's a whole NCI
22 monograph on evidence --

1 DR. SAMET: Right.

2 DR. WAKEFIELD: -- that marketing
3 influences tobacco use. So I would be thinking
4 that we would want to draw on that kind of
5 evidence --

6 DR. SAMET: Sure. Sure.

7 DR. WAKEFIELD: -- and overlay over the
8 top of it some of the non-menthol-related stuff.
9 Yes.

10 DR. SAMET: Sure. Absolutely. Yes.

11 DR. WAKEFIELD: Okay. Just checking that
12 out.

13 DR. SAMET: Yes. For sure.

14 Greg?

15 DR. CONNOLLY: Just a quick comment. I
16 think the model almost suggests we need a
17 longitudinal cohort study of probably 20 or 30
18 years in length to answer the question, and I'm
19 not sure if that's the intent of the model.

20 I think there are two key elements to the
21 evidence. One is synthesis, that we don't let one
22 bit of evidence stand on its own and evaluate it,

1 but it's synthesis of the evidence; and it's
2 purpose of evidence. And I think those two things
3 have to be fleshed out by the subcommittee to be
4 brought back to the main group as we write as
5 quickly as possible so we have clear direction on
6 what we do.

7 What we're looking at right now, I think,
8 is very good guidance, but the level of
9 specificity that Corinne is looking for, it's not
10 just jumping out right now.

11 DR. SAMET: Well, it's not Corinne that's
12 looking for specificity; it's us who are going to
13 need it. And the 20- or 30-year cohort is not
14 getting done in the next two months.

15 Tim?

16 DR. MCAFEE: Thanks. Well, I think what
17 you've laid out is very, very helpful around
18 making individual, specific determinations
19 relating to the strength of association. And I
20 would just reiterate something that I've heard a
21 couple people mention, and I think has been
22 implied, that -- and whether it would be helpful

1 to talk about this now more, whether it be helpful
2 to get some more guidance from what FDA needs
3 around this, or if it can be postponed until
4 later.

5 I think it's going to be very important,
6 basically, to think about what the framework for
7 what a recommendation would be. I mean, I guess
8 my preface would be a little a priori stuff
9 essentially to avoid the situation where we felt
10 that every single one of these associations, for
11 instance, had to be proven in order to make a
12 recommendation that menthol be regulated versus
13 the other extreme, which is if we just got one,
14 that would be sufficient.

15 So I think Greg had alluded earlier that,
16 well, we can all -- if there's no toxicologic
17 evidence, that's not necessary in order to
18 determine if there's a public health impact. But
19 what if the only thing that comes out of this is
20 that we felt there was a strong association
21 between menthol use and child uptake? Is that
22 sufficient to determine to ban it or not?

1 I think some of these determinations are
2 really not evidentiary determinations. They're
3 really almost more like the instructions that a
4 judge would give to a jury about how they're
5 supposed to weigh the evidence to make a decision,
6 what are those elements.

7 So I just think at some point we ought to
8 have perhaps some more explicit conversation about
9 how to make the decision based on what we find in
10 the evidence.

11 DR. SAMET: Right. So I think, number
12 one -- and I think some of this discussion went on
13 in our last meeting as we framed the level of
14 evidence, levels of evidence, in a way that might
15 be useful for decision-making. I mean, the
16 committee's making recommendations. We understand
17 these will translate into decisions by FDA that
18 the committee -- we've been asked to write a
19 report evaluating the evidence and make
20 recommendations.

21 So I think what we want to do is provide
22 information and recommendations that will be

1 useful for decision-making. I think the point
2 about the various questions that we're going to be
3 addressing is one of the other possibly typical --
4 I don't have an answer t that. I think that's
5 where something like the figure becomes useful for
6 thinking that matter through, and I think we'll
7 have the opportunity to do that.

8 If we do end up with some useful models
9 for our purpose, that may also help us understand
10 sort of what the implications are of findings that
11 one or another steps in this sort of
12 experimentation, on a sequence, that's been
13 outlined. And also, I know we're going to end up
14 with items where there's uncertainty, there's
15 gaps; and models there would be useful for
16 exploring some scenarios that seem plausible based
17 on the evidence available.

18 So I think we are definitely going to
19 face these kinds of considerations when we're
20 sitting together in January and meetings following
21 that as we craft our recommendations.

22 DR. SAMET: Let's see. Mark? Mark, are

1 you coming on?

2 [No response.]

3 DR. SAMET: Maybe not. Let me try again.

4 Mark Clanton, are you on?

5 [No response.]

6 DR. SAMET: Okay. Let's see. Mark, are
7 you trying again?

8 [No response.]

9 DR. SAMET: All right. Greg, your hand
10 is up?

11 DR. CONNOLLY: Yes. To Tim's point, the
12 law is clear that we are required to produce a
13 report and consider items, but we don't have to
14 make conclusive findings on each of those items.
15 So I don't see there's a binding of saying menthol
16 does X, Y, and Z, and there's no action to be
17 taken.

18 So I think the law has given us broad
19 guidance on this one, unlike what the law -- what
20 the Congress told us to do on MRTP products, but
21 they're very, very specific in terms of how we're
22 going to weigh and evaluate the evidence.

1 The second point is, I don't necessarily
2 like to box ourselves in, in terms of, okay, we're
3 going to ban or not ban. I think there are
4 multiple options that are available to the
5 committee, which I don't know of any and I'm not
6 recommending any. But I think we should leave
7 that open also. But I do not want to see -- I
8 don't think the law allows us to say everything
9 has to be met to make a recommendation or make a
10 report.

11 DR. SAMET: Let me try Mark again.

12 DR. CLANTON: Hello?

13 DR. SAMET: Yes, Mark. Go ahead.

14 DR. CLANTON: Hi there. I think Greg may
15 have addressed my point. As an extension of the
16 previous question, I'm not sure at all if we need
17 to provide any recommendations in this report.
18 The report, as I understand it, is just that,
19 which is a description of the evidence. And we
20 can certainly offer interpretations of the
21 evidence, but, again, I think it's important that
22 we know up-front whether or not this is something

1 to report recommendations or this is just meeting
2 the congressional requirement.

3 DR. SAMET: Okay. Any other comments at
4 this point?

5 DR. CONNOLLY: Jon, I would just say that
6 the law says we have to do a report and
7 recommendations --

8 DR. SAMET: Right.

9 DR. CONNOLLY: -- and we cannot violate a
10 congressional mandate. I'm just saying that the
11 recommendation isn't a yes or no. It's a
12 recommendation, which could be a series of
13 activities. But we do have to do recommendations
14 for the Congress. I don't think we can avoid that.

15 DR. SAMET: No. And we will soon enough
16 know what they are.

17 So let's see. Go back to the two
18 questions, please. So just as a reminder -- and,
19 Corinne, you weren't expecting us to say yea or
20 nay, but really to discuss this; is that correct?

21 DR. HUSTEN: Sorry. My microphone
22 doesn't work unless I keep my finger on the

1 button.

2 I just want to make sure that everybody
3 who is working on writing the report is very, very
4 clear about what questions they are to be
5 addressing and the approach they're going to take
6 because, again, at the next meeting, they'll be
7 reporting out.

8 So just whatever discussion it takes that
9 everybody feels comfortable, that they know what
10 they're supposed to be doing and which --

11 DR. SAMET: Yes. So as one comment, I
12 think perhaps the questions will, in part, arise
13 as the groups turn to their task. I think
14 Melanie, for example, alluded to one that will
15 likely come up for a number of the groups; how do
16 you evaluate some of the different kinds of
17 evidence; how do we deal with newly done and
18 submitted analyses versus studies that are perhaps
19 from the peer-reviewed literature? I think we
20 will come to those questions and may need some
21 opportunity to discuss such matters further.

22 But I think between the discussion we had

1 earlier today and the discussion we had now, and I
2 think the relevant and lengthy discussion we had
3 at our last meeting, I think we have some
4 principles for moving ahead with our writing, and
5 now we need to do so.

6 Anything else, Corinne, that you want to
7 bring up at this point?

8 DR. HUSTEN: No.

9 DR. SAMET: No? Okay. Well, I think
10 we're done. I think this is a useful discussion.
11 I think these meetings are difficult. I think we
12 had a little challenge today with starting up, but
13 maybe we can learn some lessons.

14 Thank you all for your sticking with the
15 call today, and we'll see you in January. There's
16 nothing like -- I'm not sure why the meeting is
17 not being held in L.A. in January; nothing like
18 going to Washington.

19 DR. WAKEFIELD: Jon, it's Melanie. I
20 just had one more question --

21 DR. SAMET: Yes?

22 DR. WAKEFIELD: -- which is that issue

1 you just discussed about how we evaluate this
2 different evidence. I mean, it's quite clear that
3 we need to have the same approach for each of the
4 chapters. I don't think each of the groups can
5 come up with their own approach. That wouldn't be
6 desirable --

7 DR. SAMET: No.

8 DR. WAKEFIELD: -- to see the different
9 groups starting with a completely different set of
10 assumptions. So that's why I think chapters 1 and
11 2 will be really very helpful to everybody. And I
12 don't know what the timing is on that.

13 DR. SAMET: Well, we are trying to get
14 that done, I mean, literally in the next couple of
15 weeks. So I think -- but that's the kind of time
16 frame that you need.

17 DR. WAKEFIELD: Okay. That's terrific.

18 **Adjournment**

19 DR. SAMET: Yes. Okay. Well, thank you
20 all, and we'll be talking, of course, in various
21 writing groups, and then we'll be face to face in
22 January.

1 Thank you, and goodbye to everyone.

2 (Whereupon, at 5:14 p.m., the meeting was

3 adjourned.)

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